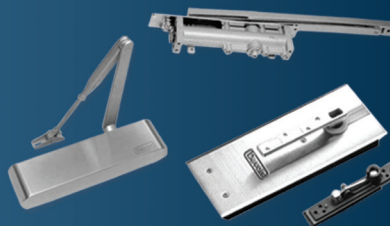


# Devon



architectural door hardware



DEVON is a comprehensive range of architectural door hardware and ancillary fittings engineered to highest standards. Proven performance, reliability and safety that specifiers rely on, conforming to European and international standards. The DEVON range is designed to be solution oriented, providing optimum solutions to access / egress controls of single family houses, multi-family dwellings, commercial buildings, retail complexes, hospitals, universities, government buildings and manufacturing facilities.

DEVON is continuously investing in modern technologies to ensure that products remain upto date to meet the demanding requirements of changing international standards. Careful selection of premium grade raw material, precision engineering and attention to quality is manifested in every phase of manufacturing. All materials used in producing DEVON architectural door hardware comply with appropriate international standards. Grade 304 Austenitic stainless steel is the main component in the stainless steel range. For installation in severe environments, products are manufactured in marine grade 316 stainless steel. Brass door hardware is produced from brass alloys that conform to BS EN 1652 1998.

DEVON cooperates with architects and industrial designers to add lasting aesthetic value to the product range. Door furniture is designed to suit different moods - Contemporary, Classic and Traditional. The fusion of art with industrial design in DEVON products makes them blend harmoniously with design concepts of architects and designers.





Notified body No. 1121  
Warrington Certification Limited, Holmesfield Road, Warrington, Cheshire, WA1 2DS, UK

**Certificate of constancy of performance**  
**1121-CPR-AC5031**

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

**Stainless Steel Butt Hinges**  
**89.380, 89.381, 89.382**

Intended use: For use on fire/smoke compartmentation doors, and escape route doors

Essential characteristics	Performance	Harmonised technical specification
	Mechanical test evidence: 182544, 182544a, 182544b Fire Test Evidence 186747	
Self-closing Initial friction torque (door mass 120kg) Static load Load deformation	< 4,0 Nm  Passed with a displacement under load: -lateral < 2 mm -vertical < 4 mm and a residual displacement after unloading: -lateral < 0,1 mm -vertical < 0,3 mm Passed	EN 1935:2002
Overload Shear strength	Passed with a lateral and vertical displacement after unloading < 3 mm	
Hinges for use on fire-resistant and/or smoke-controls doors	Grade 1: suitable for use on fire/smoke resistant door assemblies	
Durability	Passed a 200 000 cycles test with a maximum wear: -lateral < 0,2 mm -vertical < 0,3 mm and with a maximum frictional torque. -after 20 cycles < 4,0 Nm -after the completion of 200 000 cycles < 4,0 Nm	EN 1935:2002
Families of hinges with common design features	The hinge covered by this CPR is the hinge tested	
Corrosion resistance	Grade 4: 240Hrs	
Dangerous substances	Pass: the materials in the hinge do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations (1)	EN 1935:2002

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This certificate is the property of Warrington Certification Limited, part of Devco (UK) Ltd.  
Registered office: Lochend Industrial Estate, Newbridge, Midlothian, EH26 8PL, UK. Registered in Scotland, No. SC 79429





Notified body No. 1121  
Warrington Certification Limited, Holmesfield Road, Warrington, Cheshire, WA1 2DS, UK

**Certificate of constancy of performance**  
**1121-CPR-AD5150**

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

**Devon 86.217 Overhead door closer**

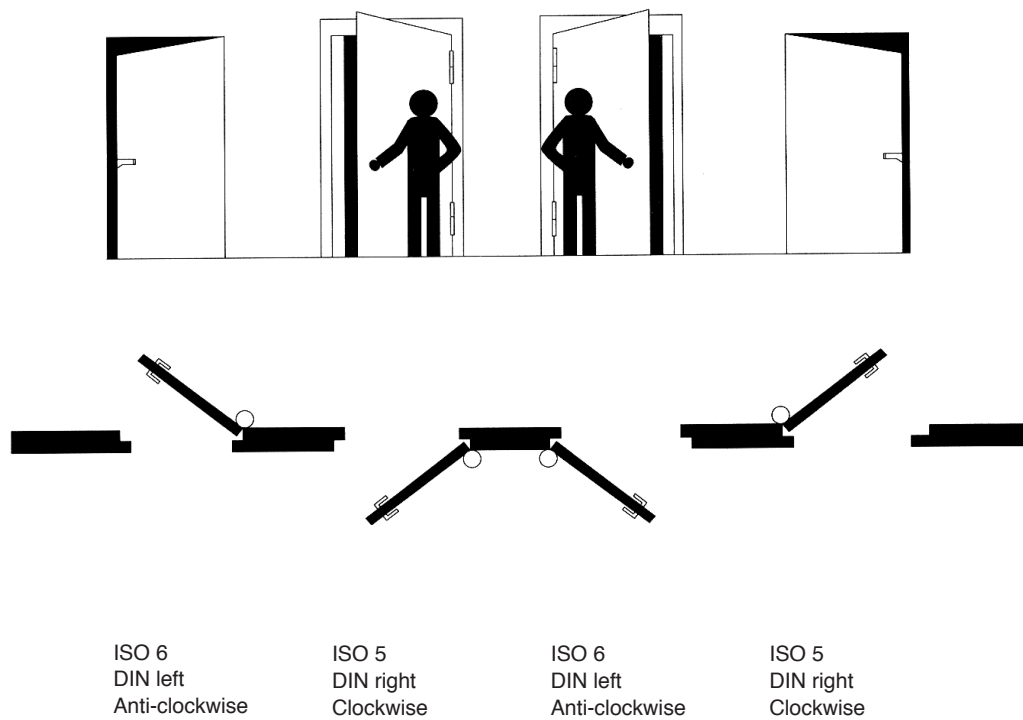
Intended use: For use on fire rated single leaf and double leaf doors  
STANDARD FIXING POSITION.

Essential characteristics	Performance	Harmonised technical specification
	Test Ref's: 238PCT & 144029	
Self closing		
5.2.1 General		
5.2.2 Durability	500,000 test cycles	
5.2.3 Closing moment	Pass size 3	
5.2.4 Opening moment	Pass size 3	
5.2.5 Efficiency	>55% size 3	
5.2.6 Closing time	Pass	
5.2.7 Angles of operation	Grade 4, 180°	
5.2.8 Overload performance	Pass	
5.2.9 Temperature dependence	-15°C to +40°C	EN 1154:1996/A1:2002/AC:2006
5.2.10 Fluid leakage	Pass	
5.2.11 Damage	Pass	
5.2.12 Latch control	Pass	
5.2.13 Back check (optional)	NPD	
5.2.14 Delayed closing (optional)	NPD	
5.2.15 Adjustable closing force (optional)	NPD	
5.2.16 Zero position (double action door closers only)	NPD	
5.2.18 Fire/smoke door suitability	Pass	
Essential characteristics	Performance	Harmonised technical specification
Durability of Self Closing		
5.2.2 Durability	500,000 test cycles	
5.2.17.1 corrosion	Grade 3 (96 hours)	
5.2.17.2 corrosion	Pass	
Dangerous Substances	Pass: the materials in the door closer do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations	EN 1154:1996/A1:2002/AC:2006
Annex ZA3		

Page 1 of 2

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The illustration given below is the nomenclature to determine handing of the fittings shown in this catalogue. We also give the ISO R1226 recommendation based on the closing direction together with a numerical symbol for the same.



### Tip

View the door from the side on which hinge knuckle is visible. If the hinges are mounted on the left hand side of the door, the door is said to be **left hand**. Conversely if the hinges are mounted on the right hand side of the door, it is designated **right hand**.



DEVON offers a wide range of finish options. Meticulous hand-polishing, modern plating plants, automated and computer-controlled eletrophoretic lacquering plants deliver long lasting finishes.

<b>Finish</b>	<b>Code</b>
Satin Stainless Steel	086
Satin Stainless Steel / Polished Stainless Steel	036
Satin Stainless Steel / Gold Plated	088
Satin Stainless Steel / Polished Brass	089
Satin Stainless Steel / Satin Brass	134
Satin Stainless Steel / Polished Chrome	099
Satin Stainless Steel / Satin Chrome	135
Satin Stainless Steel / PVD	121
Polished Stainless Steel	087
Polished Stainless Steel / PVD	155
Silver Anodized	021
Polished Silver Anodized	022
Gold Anodized	024
Bronzed Anodized	025
Dark Bronze Anodized	026
Polished Brass	059
Satin Brass	057
Polished Brass / Satin Brass	056
Antique Brass	078
BMA	107
Satin Gold	030
Gold Plated	068
Gold Plated / Satin Gold	143
Gold Plated / Black Chrome	142
Gold Plated / Antique Bronze	169
PVD	101
PVD / Satin PVD	157
Satin Chrome	061
Polished Chrome	063
Polished Chrome / Satin Chrome	029
Polished Chrome / Satin Nickel	067
Polished Chrome / Polished Nickel	151
Polished Chrome / Polished Brass	082
Polished Chrome / Gold Plated	083
Polished Chrome / Smoked Nickel	100
Polished Chrome / PVD	123
Polished Nickel	060
Polished Nickel / Polished Brass	072
Satin Nickel / Polished Nickel	127
Satin Nickel	062
Satin Nickel / Polished Brass	079
Satin Nickel / Satin Brass	120
Satin Nickel / Gold Plated	131
Satin Nickel / Satin Chrome	132
Satin Nickel / PVD	144
Black Nickel / Gold	075
Antique Iron	018
Black Iron	074
Galvanized Steel	007
Black Powder Coated	052
Silver Sprayed	002
Gold Sprayed	011
Dark Brown Sprayed	017

For long finish life, please follow the instructions as detailed in Care of finishes.

**Care of finishes**

Environmental conditions can have a dramatic effect on the finishes. Industrial pollution, high humidity, sea air and acidic rain may cause finish and metal to deteriorate prematurely. Periodic maintenance is highly recommended for long lasting finish. Strong acid solutions are sometimes used to clean masonry and tiling of buildings. These acids should never be used in contact with metals, including stainless steel. If it happens, the acid solution must be removed immediately, followed by dilution and rinsing with clean water.

**Products fitted externally****Brass**

It is recommended that unlacquered products be installed externally. Regular cleaning and applying a thin coating of good quality wax once a week is advisable. Polishing fortnightly with good quality brass polish may help in keeping the luster.

**Plated Finishes**

Clean with warm soapy water every fortnight and dry thoroughly. Occasional use of a suitable metal cleaner followed by a wipe of a cloth impregnated with light oil.

**Stainless Steel**

Stainless steel is selected in applications where its inherent corrosion resistance, strength and aesthetic appeal is required. However, depending on the service conditions, stainless steels will stain and discolour due to surface deposits and cannot be assumed to be completely maintenance free. In order to achieve maximum corrosion resistance and aesthetic appeal, the stainless steel surface must be kept clean. Clean with soap, detergent or dilute (1%) ammonia solution in warm clean water. Apply with a clean sponge, soft cloth or soft fibre brush then rinse in clean water and dry.

**Products fitted internally****Brass**

Lacquered brass products can be used when fitted internally. Lacquering provides protection against contamination of surface under normal usage. However it is prone to damage by use of sharp objects, abrasives, paint solvents and metal polishes. Under no circumstances should these be used on lacquered products. Regular cleaning with soft cloth supplemented by occasional washing with warm soapy water should keep the product in good condition for a long time.

**Plated Finishes**

Regular cleaning with soft cloth supplemented with occasional polishing with suitable metal polish.

**Stainless Steel**

Clean occasionally with soap, detergent or dilute (1%) ammonia solution in warm clean water. Apply with a clean sponge, soft cloth or soft fibre brush then rinse in clean water and dry.

**Caution:**

Under no circumstances, adhesive packing tape should be used for protection of product during construction or finishing of doors or cabinetry.

<b>Lever / Knob furniture</b>	Lever on rose <b>A-1.0 - A3.9</b> Knob on rose <b>A-4.0 - A4.1</b> Escutcheons <b>A-4.2</b> Spindles <b>A-4.3</b>
<b>Pull Handles</b>	Pulls bolt through <b>B-1.1 &amp; B-2.0 - B-2.3</b> Entrance Pull Handles <b>B-1.2 - B-1.9</b> Pull on plates <b>B-2.4</b>
<b>Protection Plates</b>	Push plates <b>B-2.5</b> Kick plates <b>B-2.5</b>
<b>Signage</b>	Sign plates <b>B-2.5</b> Name / Number plates <b>B-2.6</b> Numbers <b>B-2.6</b> Letters <b>B-2.6</b>
<b>Door accessories</b>	Surface bolts <b>C-1.1</b> Flush bolts <b>C-1.1</b> Automatic bolts <b>C-1.2</b> Flush pulls <b>C-1.3</b> Cylinder pulls <b>C-1.3</b> Ring handles <b>C-1.3</b> Roller Catches <b>C-1.3</b> Budget locks <b>C-1.3</b> Door guard <b>C-1.4</b> Door chains <b>C-1.4</b> Door Viewer <b>C-1.4</b> Floor door stops <b>C-1.5</b> Wall door stops <b>C-1.5</b> Door holder, foot operated <b>C-1.5</b> Door holder magnetic <b>C-1.5</b> Limiting stay <b>C-1.5</b> Indicator bolts <b>C-1.6</b> Clothe hooks <b>C-1.6</b>
<b>Hinges</b>	Specifications <b>D-1.0</b> Selection <b>D-1.1</b> Hinges <b>D-1.2 - D-2.1</b>
<b>Locking devices</b>	Locks <b>E-1.1 - E-3.6</b> Cylinders <b>E-3.7 - E-3.8</b>
<b>Door controls</b>	Door Closer functions <b>F-1.1</b> Size Selection <b>F-1.3</b> Overhead closers <b>F-1.4 - F-2.6</b> Jamb closer <b>F-2.7</b> Floor Springs <b>F-2.8 - F-3.3</b> Door Coordinators <b>F-3.4</b> Electromagnetic door holder <b>F-3.5</b>
<b>Panic exit devices</b>	Panic Devices <b>G-1.1 - G-1.6</b>
<b>Cabinet handles</b>	Cabinet Handles <b>H-1.0</b>
<b>Glass fittings</b>	Glass Fittings <b>I-1.0 - I-2.3</b>



DEVON offers a comprehensive range of door furniture engineered to the highest tolerances required by today's quality standards. Due to its robust construction, positive through fixing and high grade finishing, DEVON door furniture is suitable for use in demanding situations.

DEVON offers a broad range of door furniture designs for specifications. In addition to the standard designs shown, DEVON is able to offer special designs, styles and finishes to enable designer's own preferences to be expressed.



### Standard Finishes:

**086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

	19 mm Ø	22 mm Ø	25 mm Ø
Lever on rose	<b>905.001</b>	<b>906.001</b>	<b>907.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>905.002</b>	<b>906.002</b>	<b>907.002</b>
Lever on rose and bathroom escutcheon with turn, emergency release and indicator	<b>905.003</b>	<b>906.003</b>	<b>907.003</b>



### Standard Finishes:

**086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

	19 mm Ø	22 mm Ø	25mm Ø
Lever on blank plate	<b>905.121</b>	<b>906.121</b>	<b>907.121</b>
Lever on plate for euro profile cylinder	<b>905.122</b>	<b>906.122</b>	<b>907.122</b>
Lever on bathroom plate with turn, emergency release and indicator. Right hand	<b>905.123R</b>	<b>906.123R</b>	<b>907.123R</b>
Lever on bathroom plate with turn, emergency release and indicator. Left hand	<b>905.123L</b>	<b>906.123L</b>	<b>907.123L</b>



**913**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **913.001**

Lever on rose and euro profile cylinder escutcheon **913.002**

Lever on rose and bathroom escutcheon with turn, emergency release and indicator **913.003**



**116**

**Standard Finishes:**

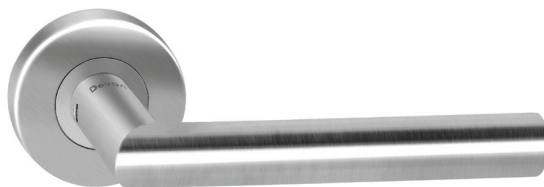
- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **116.001**

Lever on rose and euro profile cylinder escutcheon **116.002**

Lever on rose and bathroom escutcheon with turn, emergency release and indicator **116.003**



**971**

**Standard Finishes:**

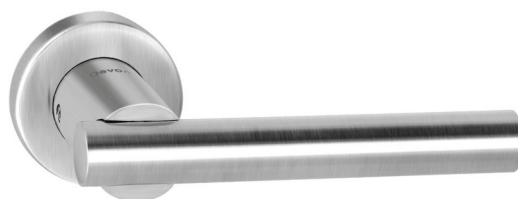
- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **971.001**

Lever on rose and euro profile cylinder escutcheon **971.002**

Lever on rose and bathroom escutcheon with turn, emergency release and indicator **971.003**



**142**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **142.001**

Lever on rose and euro profile cylinder escutcheon **142.002**

Lever on rose and bathroom escutcheon with turn, emergency release and indicator **142.003**



**961**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose	<b>961.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>961.002</b>
Lever on rose and bathroom escutcheon with turn, emergency release and indicator	<b>961.003</b>



**923B**

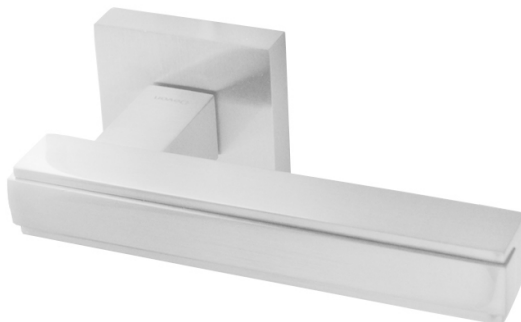
**Standard Finish:**

- 036** Satin Stainless Steel / Polished Stainless Steel

Other finishes available upon request.

Lever on rose	<b>923B.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>923B.002</b>
Lever on rose and bathroom escutcheon with turn, emergency release and indicator	<b>923B.003</b>





**227**

**Standard Finish:**

**062** Satin nickel

Other finishes available upon request.

Lever on rose

**227.001**

Lever on rose and euro profile cylinder  
Escutcheon

**227.002**



**228**

**Standard Finish:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

**078** Antique Brass

Other finishes available upon request.



Lever on rose

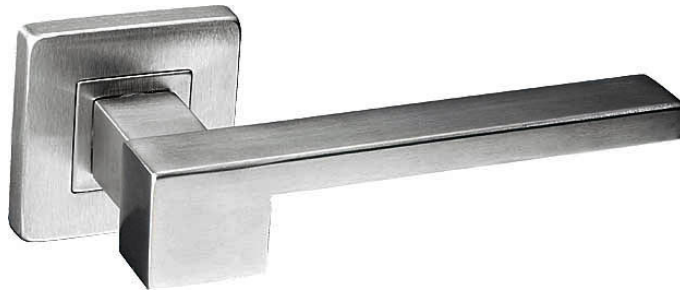
**228.001**

Lever on rose and euro profile cylinder  
Escutcheon

**228.002**

Lever on rose and bathroom escutcheon  
with turn, emergency release and indicator

**228.003**



**231**

**Standard Finish:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **231.001**

Lever on rose and euro profile cylinder  
Escutcheon **231.002**



**232**

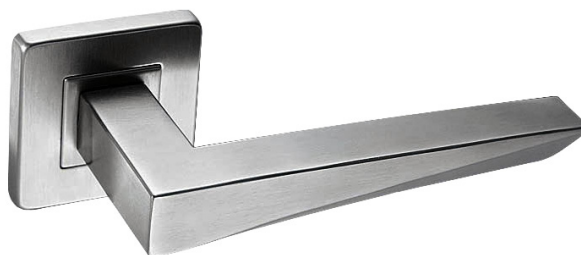
**Standard Finish:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **232.001**

Lever on rose and euro profile cylinder  
Escutcheon **232.002**



**233**

**Standard Finish:**

**086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **233.001**

Lever on rose and euro profile cylinder  
 Escutcheon **233.002**



**234**

**Standard Finish:**

**086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **234.001**

Lever on rose and euro profile cylinder  
 Escutcheon **234.002**

Lever on rose and bathroom escutcheon  
 with turn, emergency release and indicator **234.003**



**176**

**Standard Finish:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **176.001**

Lever on rose and euro profile cylinder  
Escutcheon **176.002**



**997**

**Standard Finish:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **997.001**

Lever on rose and euro profile cylinder  
Escutcheon **997.002**



**947**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **947.001**

Lever on rose and euro profile cylinder escutcheon **947.002**

Lever on rose and bathroom escutcheon with turn, emergency release and indicator **947.003**



**934**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **934.001**

Lever on rose and euro profile cylinder escutcheon **934.002**

Lever on rose and bathroom escutcheon with turn, emergency release and indicator **934.003**



**935**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose	<b>935.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>935.002</b>
Lever on rose and bathroom escutcheon with turn, emergency release and indicator	<b>935.003</b>



**127**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose	<b>127.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>127.002</b>
Lever on rose and bathroom escutcheon with turn, emergency release and indicator	<b>127.003</b>



**966**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose	<b>966.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>966.002</b>
Lever on rose and bathroom escutcheon with turn, emergency release and indicator	<b>966.003</b>



**148**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose	<b>148.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>148.002</b>
Lever on rose and bathroom escutcheon with turn, emergency release and indicator	<b>148.003</b>



**223**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose	<b>223.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>223.002</b>
Lever on rose and bathroom escutcheon with turn, emergency release and indicator	<b>223.003</b>



**211**

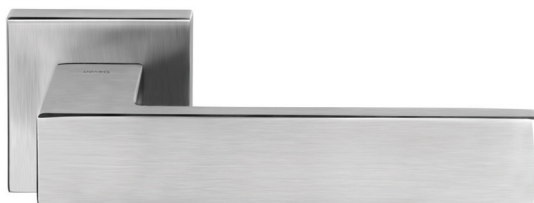
**Standard Finish:**

- 086** Satin Stainless Steel

Other finishes available upon request.

Lever on rose	<b>211.001</b>
Lever on rose and euro profile cylinder Escutcheon	<b>211.002</b>





**222**

**Standard Finish:**

**086** Satin Stainless Steel

Other finishes available upon request.

Lever on rose **222.001**

Lever on rose and euro profile cylinder  
Escutcheon **222.002**



**991**

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **991.001**

Lever on rose and euro profile cylinder  
escutcheon **991.002**

Lever on rose and bathroom escutcheon  
with turn, emergency release and indicator **991.003**



**241**

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **241.001**

Lever on rose and euro profile cylinder escutcheon **241.002**

Lever on rose and bathroom escutcheon with turn, emergency release and indicator **241.003**



**242**

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **242.001**

Lever on rose and euro profile cylinder escutcheon **242.002**



**243**

**Standard Finishes:**

**086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **243.001**

Lever on rose and euro profile cylinder escutcheon **243.002**

Lever on rose and bathroom escutcheon with turn, emergency release and indicator **243.003**



**244**

**Standard Finishes:**

**086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **244.001**

Lever on rose and euro profile cylinder escutcheon **244.002**

Lever on rose and bathroom escutcheon with turn, emergency release and indicator **244.003**



**245**

**Standard Finishes:**

**086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose	<b>245.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>245.002</b>
Lever on rose and bathroom escutcheon with turn, emergency release and indicator	<b>245.003</b>



**246**

**Standard Finishes:**

**086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose	<b>246.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>246.002</b>



**247**

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **247.001**

Lever on rose and euro profile cylinder escutcheon **247.002**

Lever on rose and bathroom escutcheon with turn, emergency release and indicator **247.003**



**248**

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **248.001**

Lever on rose and euro profile cylinder escutcheon **248.002**

Lever on rose and bathroom escutcheon with turn, emergency release and indicator **248.003**



**249**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose	<b>249.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>249.002</b>
Lever on rose and bathroom escutcheon with turn, emergency release and indicator	<b>249.003</b>



**250**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose	<b>250.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>250.002</b>
Lever on rose and bathroom escutcheon with turn, emergency release and indicator	<b>250.003</b>



**251**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **251.001**

Lever on rose and euro profile cylinder escutcheon **251.002**

Lever on rose and bathroom escutcheon with turn, emergency release and indicator **251.003**



**252**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **252.001**

Lever on rose and euro profile cylinder escutcheon **252.002**



**253**

**Standard Finishes:**

**086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose	<b>253.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>253.002</b>



**162**

**Standard Finish:**

**067** Polished Chrome / Satin Nickel

Other finishes available upon request.

Lever on rose	<b>162.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>162.002</b>





**38.020**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose	<b>38.020</b>
Lever on rose and euro profile cylinder escutcheon	<b>38.202</b>



**168**



**Standard Finishes:**

- 030** Satin Gold
- 063** Polished Chrome
- 078** Antique Brass

Other finishes available upon request.

Lever on rose	<b>168.001</b>
Lever on rose and euro profile cylinder escutcheon	<b>168.002</b>



**166**

**Standard Finish:**

**127** Satin Nickel / Polished Nickel

Other finishes available upon request.

Lever on rose

**166.001**

Lever on rose and euro profile cylinder  
escutcheon

**166.002**



**182**

**Standard Finishes:**

**062** Satin Nickel

**078** Antique Brass

Other finishes available upon request.

Lever on rose

**182.001**

Lever on rose and euro profile cylinder  
Escutcheon

**182.002**



**141**



**Standard Finishes:**

**061** Satin Chrome

**078** Antique Brass

**101** PVD

Other finishes available upon request.

Lever on rose

**141.001**

Lever on rose and euro profile cylinder  
escutcheon

**141.002**



**151**

**Standard Finishes:**

**078** Antique Brass

**101** PVD

Other finishes available upon request.

Lever on rose

**151.001**

Lever on rose and euro profile cylinder  
escutcheon

**151.002**



**218**

**Standard Finish:**

**062** Satin Nickel

Other finishes available upon request.

Lever on rose **218.001**

Lever on rose and euro profile cylinder  
Escutcheon **218.002**



**224**

**Standard Finish:**

**062** Satin Nickel

Other finishes available upon request.

Lever on rose **224.001**

Lever on rose and euro profile cylinder  
Escutcheon **224.002**



**989**



**Standard Finishes:**

**127** Satin Nickel / Polished Nickel

**143** Gold Plated / Satin Gold

Other finishes available upon request.

Lever on rose

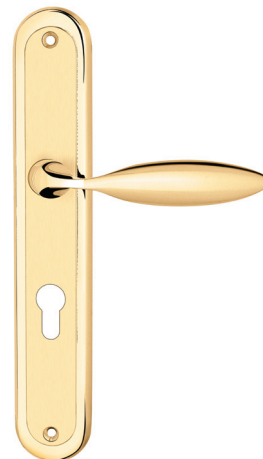
**989.001**

Lever on rose and euro profile cylinder  
escutcheon

**989.002**



**989.852**



**989.722**

**Standard Finishes:**

**127** Satin Nickel / Polished Nickel

**143** Gold Plated / Satin Gold

Other finishes available upon request.

Lever on euro profile cylinder plate, centers 85 mm

**989.852**

Lever on euro profile cylinder plate, centers 72 mm

**989.722**



**995**



**Standard Finishes:**

**067** Polished Chrome / Satin Nickel  
**157** PVD / Satin PVD

Other finishes available upon request.

Lever on rose

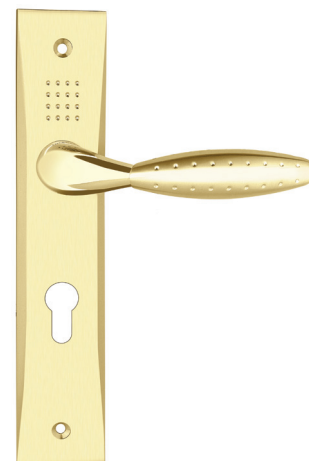
**995.001**

Lever on rose and euro profile cylinder escutcheon

**995.002**



**995.722**



**Standard Finishes:**

**067** Polished Chrome / Satin Nickel  
**157** PVD / Satin PVD

Other finishes available upon request.

Lever on euro profile cylinder plate, centers 72 mm

**995.722**



**996**



**Standard Finishes:**

**067** Polished Chrome / Satin Nickel

**157** PVD / Satin PVD

Other finishes available upon request.

Lever on rose

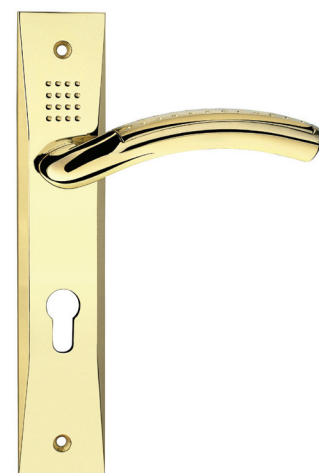
**996.001**

Lever on rose and euro profile cylinder  
escutcheon

**996.002**



**996.722**



**Standard Finishes:**

**067** Polished Chrome / Satin Nickel

**157** PVD / Satin PVD

Other finishes available upon request.

Lever on euro profile cylinder plate, centers 72 mm

**996.722**



**158.852**

Lever on euro profile cylinder plate, centers 85 mm **158.852**

**Standard Finish:**

**131** Satin Nickel / Gold Plated

Other finishes available upon request.



**218.722**

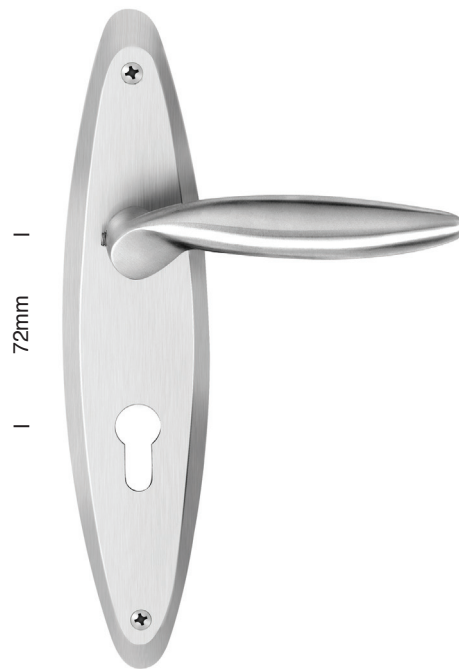
Lever on euro profile cylinder plate, centers 72 mm **218.722**

**Standard Finish:**

**062** Satin Nickel

Other finishes available upon request.



**991.722****Standard Finishes:****086** Satin Stainless Steel**087** Polished Stainless Steel

Other finishes available upon request.

Lever on euro profile cylinder plate, centers 72mm **991.722**



**978**

Knob Ø 60 mm on rose

**978.001**

Knob Ø 60 mm on rose and euro profile  
cylinder escutcheon

**978.002**

**Standard Finish:**

**086** Satin Stainless Steel

Other finishes available upon  
request.



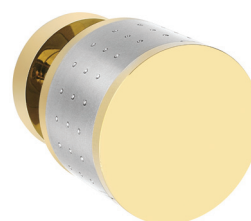
**975**

Knob Ø 60 mm on rose

**975.001**

Knob Ø 60 mm on rose and euro profile  
cylinder escutcheon

**975.002**



**Standard Finishes:**

**099** Satin Stainless Steel /  
Polished Chrome

**121** Satin Stainless Steel / PVD

Other finishes available upon  
request.



**976**



**Standard Finishes:**

**067** Polished Chrome / Satin Nickel  
**101** PVD

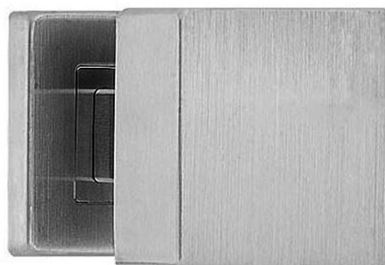
Other finishes available upon request.

Knob Ø 75 mm on rose

**976.001**

Knob Ø 75 mm on rose and euro profile  
cylinder escutcheon

**976.002**



**981**

**Standard Finishes:**

**086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request

Knob on rose

**981.001**

Knob on rose and euro profile  
cylinder escutcheon

**981.002**



**056 PZ**  
Euro profile escutcheon  
54 ø x 10 mm, concealed fixing



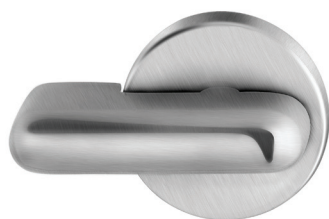
**056 N**  
Narrow Euro profile escutcheon  
60 x 33 x 10 mm, concealed fixing



**056 B**  
Blank escutcheon  
54 ø x 10 mm, concealed fixing



**056 WC**  
Escutcheon with thumbturn / indicator  
& emergency release  
54 ø x 10 mm, concealed fixing



**056 WC/DA**  
Escutcheon with extended thumbturn /  
indicator & emergency release  
54 ø x 10 mm, concealed fixing

Suitable for use on toilets for people with  
special needs

### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 078** Antique Brass
- 101** PVD

Other finishes available upon request



**Slotted Spindle**  
Galvanized steel

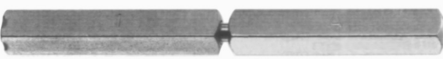
**99.001.007** 8 x 8 x 110 mm

**99.002.007** 8 x 8 x 120 mm



**One way Spindle**  
for single side lever / knob fixing.  
Galvanized steel

**99.003.007** 8 x 8 x 65 mm



**Split Spindle**  
for use on panic lock with split follower.  
Galvanized steel

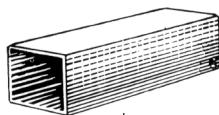
**99.004.007** 8 x 8 x 115 mm

**99.005.007** 9 x 9 x 115 mm



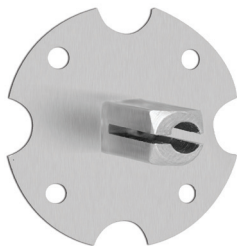
**Half Spindle**  
Galvanized steel

**99.006.007** 8 x 8 x 65 mm



**Reducer Sleeve**  
To reduce 9 mm lock hub to suit 8 mm  
spindle Galvanized steel

**99.007.007** 40 mm



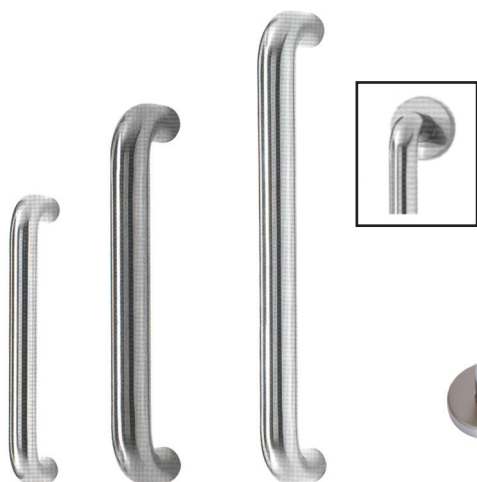
**Dead fix spindle**  
To fix dead lever or knob.  
Galvanized steel

**99.008.007**



**Dead fix spindle**  
To fix dead 975 knob.  
Satin Stainless steel

**99.009.086**



C/C	19mm Dia	22mm Dia	25mm Dia
150mm	<b>98.081</b>	<b>98.089</b>	<b>98.097</b>
225mm	<b>98.082</b>	<b>98.090</b>	<b>98.098</b>
305mm	<b>98.083</b>	<b>98.091</b>	<b>98.099</b>

- Standard without rose, with bolt through or back to back fixing.
- Optional roses are available for use with the pull handles, add letter "R" to the code



**Grab - Rails**

<b>98.801.86</b>	
Dia	35 mm
C/C	600 mm



C/C	22mm Dia	25mm Dia	32mm Dia
200mm	<b>98.114</b>	<b>98.118</b>	
300mm		<b>98.119</b>	<b>98.331</b>

C/C	22mm Dia	25mm Dia	32mm Dia
200mm	<b>98.130</b>	<b>98.131</b>	
300mm		<b>98.133</b>	<b>98.337</b>

<b>98.536</b>	
Dia	22mm
C/C	250mm



<b>98.540</b>	
Dia	16 mm
Length	300 mm
C/C	230 mm

<b>98.541</b>	
Dia	20 mm
Length	300 mm
C/C	225 mm

<b>98.535</b>	
Dia	25mm
Length	300mm
C/C	150mm

<b>98.521</b>	
Dia	38 mm
Length	425 mm
C/C	380 mm

<b>98.520</b>		<b>98.519</b>	
Dia	32 mm	Dia	38 mm
Length	450 mm	Length	1000 mm
C/C	250 mm	C/C	700 mm

### Standard Finishes:

**086** Satin Stainless Steel    **087** Polished Stainless Steel  
Other finishes available upon request.



**98.200**

Length	C/C	Dia ø	Item Code
1800mm	1762mm	38mm	98.200

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel



**98.201**

Length	C/C	Dia ø	Item Code
1800mm	1762mm	38mm	98.201

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel



98.203

Length	C/C	Dia ø	Item Code
600mm	565mm	38mm	98.203

**Material :** Solid stainless steel

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

**078** Antique Brass

Matt Bronze



98.204

Length	C/C	Dia ø	Item Code
600mm	565mm	19mm	98.204

**Material :** Solid stainless steel

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

**078** Antique Brass

Matt Bronze



98.205

Length	C/C	Dia ø	Item Code
535mm	505mm	32mm	98.205

**Material :** Solid stainless steel

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

**078** Antique Brass

Matt Bronze





98.206

Length	C/C	Section	Item Code
610mm	570mm	42mm	98.206

**Material :** Solid stainless steel

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

**078** Antique Brass

Matt Bronze



98.207

Length	C/C	Section	Item Code
630mm	580mm	75mm	98.207

**Material :** Solid stainless steel

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

**078** Antique Brass

Matt Bronze



98.208

Length	C/C	Section	Item Code
400mm	350mm	79.5mm	98.208

**Material :** Solid stainless steel

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

**078** Antique Brass

Matt Bronze



98.209

Length	C/C	Section	Item Code
510mm	475mm	40mm	98.209

**Standard Finishes:**

078 Antique Brass



98.210

Length	C/C	Section	Item Code
600mm	570mm	30mm	98.210

**Standard Finishes:**

078 Antique Brass

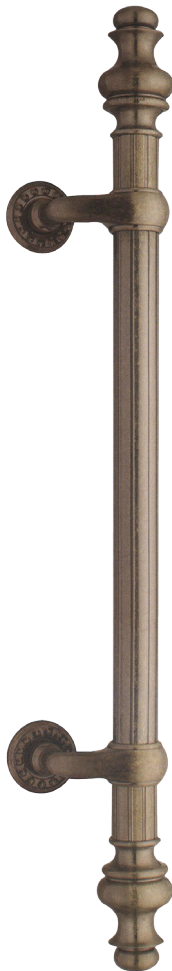


98.211

Length	C/C	Section	Item Code
450mm	330mm	28mm	98.211

**Standard Finishes:**

078 Antique Brass



98.212

Length	C/C	Section	Item Code
800mm	460mm	38mm	98.212

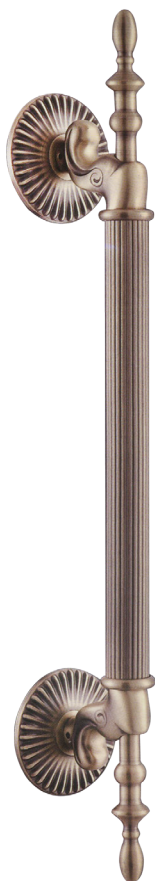
**Material:** Brass  
**Standard Finishes:**  
**059** Polished Brass  
**078** Antique Brass  
 Matt Bronze



98.213

Length	C/C	Section	Item Code
350mm	180mm	25mm	98.213

**Material:** Brass  
**Standard Finishes:**  
**059** Polished Brass  
**078** Antique Brass  
 Matt Bronze



98.215

Length	C/C	Section	Item Code
630mm	430mm	32mm	98.215

**Material:** Brass  
**Standard Finishes:**  
**059** Polished Brass  
**078** Antique Brass  
 Matt Bronze



98.216

Length	C/C	Section	Item Code
1200mm	898mm	38mm	98.216

**Material:** Brass  
**Standard Finishes:**  
**059** Polished Brass  
**078** Antique Brass  
 Matt Bronze



98.217

Length	C/C	Dia ø	Item Code
1020mm	800mm	35mm	98.217

**Standard Finishes:**

**078** Antique Brass

98.218

Length	C/C	Section	Item Code
800mm	350 x 2	39 x 39	98.218

**Standard Finishes:**

**078** Antique Brass





98.219

Length	C/C	Dia ø	Item Code
465mm	364mm	38	98.219

**Standard Finishes:**

**078** Antique Brass



98.220

Length	C/C	Section	Item Code
425mm	314mm	23	98.220

**Standard Finishes:**

**078** Antique Brass



98.221

Length	C/C	Item Code
300mm	230mm	98.221

**Standard Finishes:**

**078** Antique Brass



98.222

Length	C/C	Section	Item Code
300mm	245mm	38	98.222

**Standard Finishes:**

**078** Antique Brass



98.300

Length	C/C	Section	Item Code
270mm	245mm	25	98.300

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request



98.301

Length	C/C	Section	Item Code
274mm	250mm	15 x 24	98.301.1
374mm	350mm	15 x 24	98.301.2

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request



98.302

Length	C/C	Dia ø	Item Code
380mm	280mm	20	98.302.1
410mm	350mm	30	98.302.2

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request



98.303

Length	C/C	Section	Item Code
280mm	248mm	30 x 16	98.303

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request





98.304

Length	C/C	Size		Item Code
		Ends	Middle	
380mm	280mm	29 x 29	18	98.304.1
410mm	350mm	29 x 29	18	98.304.2

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request



98.305

Length	C/C	Size	Item Code
215mm	200mm	25 x 10	<b>98.305.1</b>
315mm	300mm	30 x 15	<b>98.305.2</b>
415mm	400mm	30 x 15	<b>98.305.3</b>
620mm	600mm	40 x 20	<b>98.305.4</b>
820mm	800mm	40 x 20	<b>98.305.5</b>

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request



98.306

Length	C/C	Dia ø	Item Code
319mm	300mm	19	98.306.1
425mm	400mm	25	98.306.2
632mm	600mm	32	98.306.3
832mm	800mm	32	98.306.4

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request



98.307

Length	C/C	Size	Item Code
450mm	300mm	40 x 10	98.307.1
550mm	400mm	40 x 10	98.307.2
450mm	300mm	40 x 20	98.307.3
550mm	400mm	40 x 20	98.307.4

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request

### Pull Handles on Plates



#### 98.126

19 x 110 mm pull on 170 x 170 mm plate

#### 98.338

22 x 110 mm pull on 170 x 170 mm plate

#### 98.339

25 x 110 mm pull on 170 x 170 mm plate

The plates can be supplied with text, symbol or cylinder cut out. Add following letters to code number as required.

F - Female Symbol

D - Disabled Symbol

M - Male Symbol

X - Text

U - Unisex Symbol

Y - Euro Profile Cylinder Cut-Out

#### 98.121

19 x 225 mm pull on 76 x 305 mm plate

#### 98.122

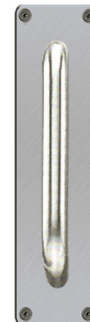
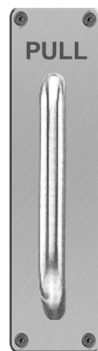
22 x 225 mm pull on 76 x 305 mm plate

#### 98.125

25 x 225 mm pull on 76 x 305 mm plate

Rectangular plates supplied as standard.

For rounded plates add letter "R" to code number



#### 98.340

19 x 150 mm pull on 76 x 305 mm plate

#### 98.341

22 x 150 mm pull on 76 x 305 mm plate

#### 98.342

25 x 150 mm pull on 76 x 305 mm plate

Rectangular plates supplied as standard.

For rounded plates add letter "R" to code number.

These plates can be supplied with text, symbol or cylinder cut-out.

Add following letters to code number, as required.

F - Female Symbol

X - Text

M - Male Symbol

Y - Euro Profile Cylinder Cut-Out

D - Disable Symbol

### Push Plates

The plates are supplied in 1.5 mm thickness for stainless steel or brass material and 2.0 mm for aluminium, as standard. Other thickness can be supplied to customer's requirement.

**96.135** 305 x 76 x 1.5 mm

**96.136** 305 x 76 x 2.0 mm

**96.137** 305 x 76 x 3.0 mm

**96.138** 305 x 100 x 1.5 mm

**96.139** 305 x 100 x 2.0 mm

**96.140** 305 x 100 x 3.0 mm

Rectangular plates supplied as standard.

For rounded plates add letter "R" to code number.

**96.141** 170 x 170 x 1.5 mm

**96.142** 170 x 170 x 2.0 mm

**96.143** 170 x 170 x 3.0 mm

These plates can be supplied with text or symbol. Add following letters to code number as required.

F - Female Symbol

D - Disable Symbol

M - Male Symbol

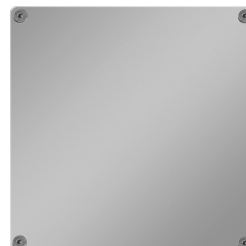
X - Text

Note: Any size and shape can be manufactured to suit customer's requirement

#### Standard Finishes:

**086** Satin Stainless Steel      **087** Polished Stainless Steel

Other finishes available upon request.



### Kick Plates and Trolley Plates

Kick plates and Trolley Plates are available from 1.2 mm to 3 mm thickness, depending on the material.

Size must be specified when ordering

#### How to order

##### Application A

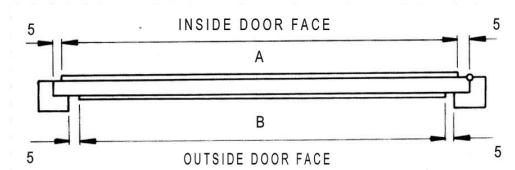
Full width of inside door face minus 5 mm clearance at each edge. Total 10 mm clearance

##### Application B

Full width of outside door face minus rebate at each edge, minus a further 5 mm clearance at both edges.



Thickness (mm)	Cat. Code
1.2	96.150
1.5	96.151
2.0	96.152
3.0	96.153



### Signage 100 x 150 mm x 1.5mm Thickness

Common signs are illustrated below. An extensive range of symbols is available upon request.



Male

96.144



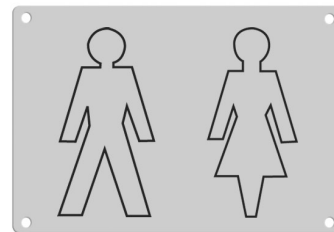
Female

96.145



Disabled

96.146



Unisex

96.147

### Signage (Circular) 76mm Dia, 1.5mm Thickness



Male

96.144C



Female

96.145C



Disabled

96.146C



Unisex

96.147C

#### Standard Finishes:

086 Satin Stainless Steel    087 Polished Stainless Steel  
Other finishes available upon request.

**Name / Number Plate**



**93.136**  
305 x 76 x 1.5 mm



**93.209 N**  
120 x 60 x 1.5 mm



**93.209 L**  
120 x 60 x 1.5 mm



**93.210**  
120 x 75 x 1.5 mm

**Bell Push Plates**



**93.224**  
150 x 100 mm



**93.225**  
85 x 85 mm



**93.212**  
76 mm Dia

**Door Number / Letter**



**93.300 - 93.309**  
50 mm



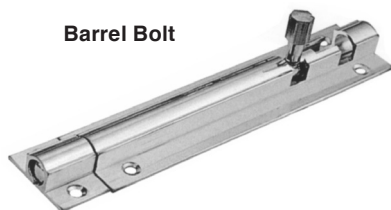
**93.30A - 93.30Z**  
50 mm

**Standard Finishes:**

**086** Satin Stainless Steel    **087** Polished Stainless Steel  
Other finishes available upon request.

### BOLTS

#### Barrel Bolt



- 94.150** 102 x 25 mm
- 94.151** 152 x 25 mm
- 94.152** 203 x 32 mm

#### Standard Finishes:

- 059** Polished Brass
- 061** Satin Chrome
- 078** Antique Brass



- 94.153** 102 x 25 mm
- 94.154** 152 x 25 mm

#### Standard Finishes:

- 059** Polished Brass
- 061** Satin Chrome
- 078** Antique Brass

#### Lever Action Flush Bolt



- 94.155** 152 x 19 mm
- 94.156** 203 x 19 mm
- 94.157** 305 x 19 mm
- 94.180** 457 x 19 mm
- 94.181** 609 x 19 mm
- 94.182** 914 x 19 mm



- 94.170** 203 x 25 mm
- 94.171** 305 x 25 mm

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other available sizes upon request.

#### Standard Finishes:

- 059** Polished Brass
- 061** Satin Chrome
- 063** Polished Chrome
- 078** Antique Brass

#### Extension Bolts

Lever action flush extension bolt, suitable for metal doors. Supplied with 254 mm rod, unless other lengths are specified.

#### Standard Finishes:

- 061** Satin Chrome
- 063** Polished Chrome



**94.370**

### Automatic Bolts

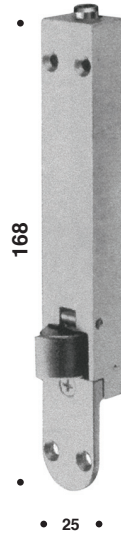


#### 94.190

- Non handed
- UL Listed - Label A
- 25.5 x 216 mm, fits standard ANSI preparation.

#### Standard Finish:

**086** Satin Stainless Steel



#### 94.191

- Reversible latch.
- 168 x 25 mm.
- Depth 20 mm.
- Adjustable bolt height.
- Suitable for fire door.

#### Standard Finish:

**098** Zinc Plated



#### 94.192

- Supplied with rod height 250 mm.
- Minimum profile depth 50 mm.
- Reversible anti-friction Bolt.
- Suitable for fire door.

#### Standard Finish:

**007** Galvanized



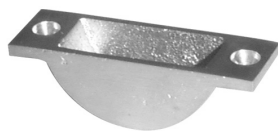
#### 94.193

- Non handed
- UL Listed - Label A
- 25.5 x 171 mm, fits standard ANSI preparation.

#### Standard Finish:

**086** Satin Stainless Steel

### Easy Clean Socket



**94.158**

#### Standard Finishes:

**059** Polished Brass  
**021** Silver Anodized

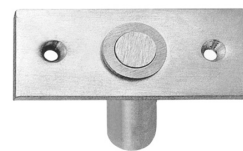
### Dust Excluding Sockets



**94.165**  
13 mm ø

#### Standard Finishes:

**061** Satin Chrome  
**059** Polished Brass  
**078** Antique Brass



**94.166**  
19 mm ø

#### Standard Finishes:

**086** Satin Stainless Steel  
**059** Polished Brass  
**078** Antique Brass

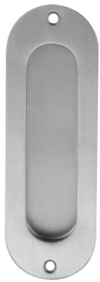


**94.167**  
22 mm ø

#### Standard Finish:

**086** Satin Stainless Steel

### Flush Handles



**98.504**  
120 x 40mm



**98.501**  
102 x 40mm

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

### Flush Ring Handles



**98.502**  
89 x 89 mm  
Squash Court Handle



**98.503**  
76 mm ø  
Flush Ring Handle

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

### Roller Catch

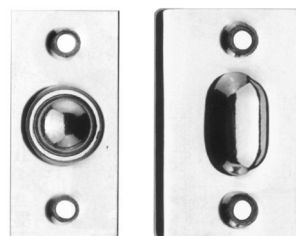


**88.478**

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

### Ball Catch

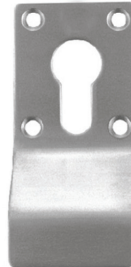


**88.477**

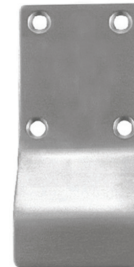
#### Standard Finish:

- 086** Satin Stainless Steel

### Cylinder Pulls



**93.204**

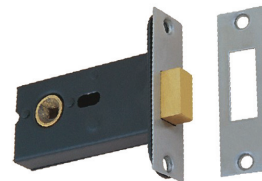


**93.205**  
Blank

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

### Latches



**88.465**  
Dead Latch

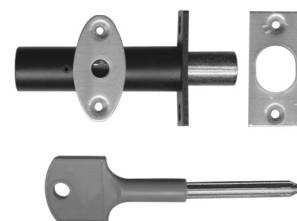


**88.466**  
Latch

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

### Budget Lock



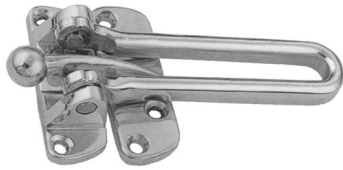
**93.198**

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel



### Door Guard / Chains



93.183

**Standard Finishes:**

- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass
- 078 Antique Brass



93.208

**Standard Finishes:**

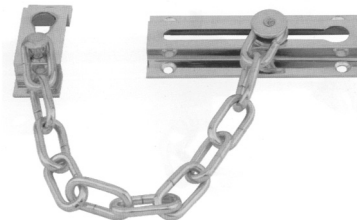
- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass
- 078 Antique Brass



93.206

**Standard Finishes:**

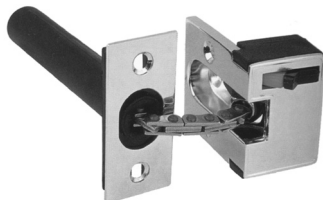
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel



93.185

**Standard Finishes:**

- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass
- 078 Antique Brass



93.209

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

### Door Viewer 200 Degree



93.186

**Standard Finishes:**

- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass



93.207

**Standard Finishes:**

- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass
- 078 Antique Brass

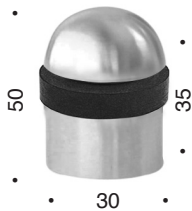
### Door Stops



95.171

#### Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass
- 078 Antique Brass



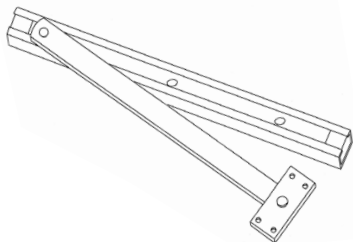
95.176

#### Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

### Door Limiting Stay

Concealed overhead limiting stay to prevent door opening beyond 90°. Suitable for use on single action and double action doors, where conditions do not allow fixing of door stop.



86.270

#### Standard Finish:

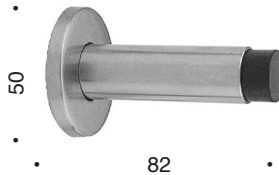
- 007 Galvanized steel



95.174

#### Standard Finishes:

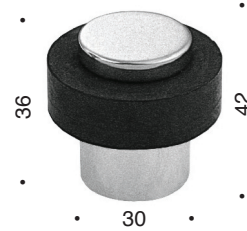
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass
- 078 Antique Brass



95.173

#### Standard Finishes:

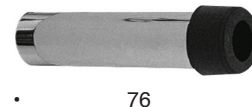
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass



95.175

#### Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass



95.172

#### Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass

### Door Holders



95.181

Foot operated

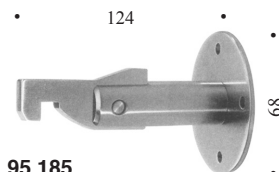
#### Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel



95.183

Foot operated



95.185

Wall door holder

#### Standard Finish:

- 086 Satin Stainless Steel



95.182

Magnetic door holder

#### Standard Finishes:

- 061 Satin Chrome
- 063 Polished Chrome
- 068 Gold Plated

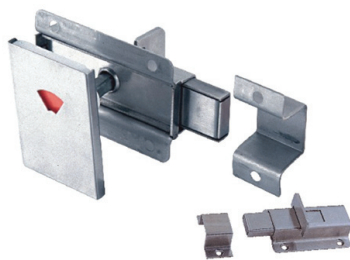
### Indicator Bolts



91.201



91.204  
(Suitable for Disabled Toilet)



91.202



91.203

#### Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

### Hooks



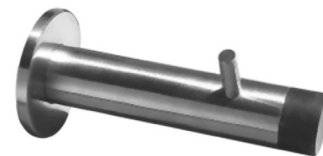
92.192



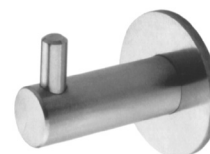
92.193



92.193 S



92.196



92.195

#### Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel



The material used in producing DEVON architectural hinges complies with the current BS EN Standards. Grade 304 Austenitic stainless Steel is the main component in the stainless Steel range. For installation in very harsh environments, hinges can be manufactured (to special order) in marine grade 316 stainless steel.

DEVON hinges match or complement the finish of architectural hardware and retain their appearance over many years. DEVON hinges are normally available ex-stock in satin stainless steel. Other finishes are available to meet the design and styling considerations of new building and refurbishment schemes. These include bright polished stainless steel, satin or polished brass lacquered finishes.

DEVON hinges are subject to rigorous test procedures to ensure that they comply with EN 1935. Products are designed and developed to satisfy international standards.

DEVON Architectural Hinges are classified under BSEN 1935 (see the table opposite) and are being developed to meet future international standards on their publication. These are specifications for the strength and durability of single axis hinges for side hung application and dimensional requirements for template drilling. BS EN grade is given according to the maximum annual number of operations.

It is important to remember that the weight of the door hardware and any glass used, can significantly increase the mass of a door and should be taken into account when specifying hinges.

Door closers also increase the load on hinges. If a door closer is fitted, it is recommended that the effective door mass be assumed to be 20% greater than the actual door mass. Backcheck closers impose even more load and the mass of the door should be assumed to be 75% greater than the actual mass.

**BS EN 1935 Classification of Hinges**

Hinge	Usage	Test cycles mass	Door
1	Window	10 000	10 kg
2	Window	10 000	20 kg
3	Window/Door	25 000	20 kg
4	Door	200 000	20 kg
5	Window	10 000	40 kg
6	Window/Door	25 000	40 kg
7	Door	200 000	40 kg
8	Window	10 000	60 kg
9	Window/Door	25 000	60 kg
10	Door	200 000	60 kg
11	Door	200 000	80 kg
12	Door	200 000	100 kg
13	Door	200 000	120 kg
14	Door	200 000	160 kg

### Fire Door Hinges

Building Regulations stipulate a minimum melting point of 500°C for fire door hinges. DEVON architectural hinges are made from stainless Steel which has a melting point of 1530° C and are all suitable for use on fire doors.

When hanging a fire door, all the hinges must be bedded on suitable intumescent material or intumescent mastic on both the door and frame. Intumescent hinge packs are available upon request.

### Hinge Selection

The appropriate specification and correct selection of hinges is crucial to their performance and depends on the following factors;

- **Door Size, weight and construction.**
- **Frequency of use and the type of traffic.**
- **The environment and location**

Hinges should always be specified to comply with the BS EN 1935 classification appropriate to the type of application. When specifying, please state the actual door weight and the adjusted door weight. To assist in selecting the right Devon hinges, refer to the table on the previous page.

### Number of Hinges

Normally three hinges are fitted to each door leaf in accordance with BS 4787 part 1. For doors exceeding 2100 mm in height, a fourth hinge should be fitted.

### Hinge Installation

Hinges should be installed in accordance with the door manufacturer's recommendations. Where no such instructions are available, care must be taken to ensure that the hinges are correctly aligned and fixed securely to the door and frame. Screw holes should be piloted and screw heads must be flush with the hinge face to ensure that the door closes properly.

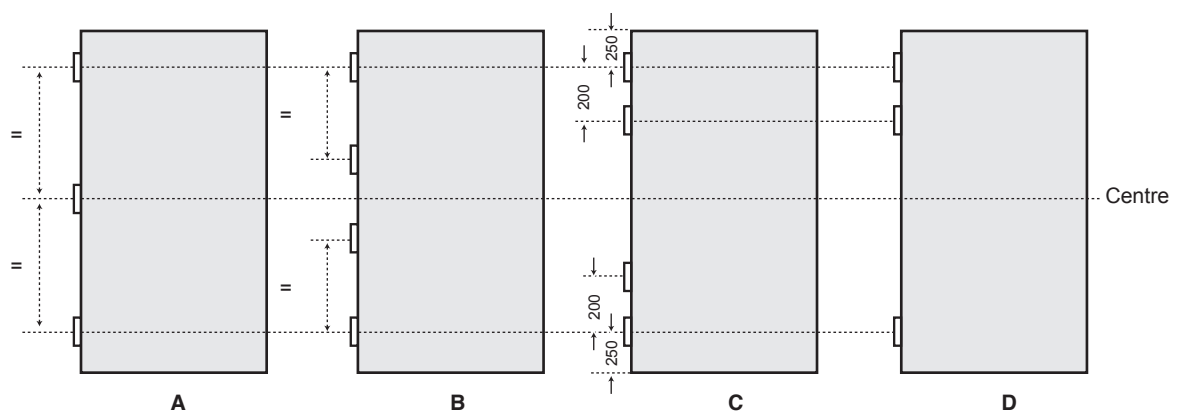


### Hinge Positioning

It is usually acceptable to line up the centre hinge with the handle hardware.

Equally spaced hinges will minimize warping, which may occur in environments with extremes of temperature or humidity on either side of the door.

Unequally spaced hinges (Fig. c and d), improve load bearing. This is recommended where the hinges are operating near their load bearing maximum or where door closers, particularly back check door closers, are in operation and the door is frequently used.



### CE 13 BS EN 1935 Certified High Performance Stainless Steel Double Ball Bearing Hinges



High performance hinge with extra deep thrust bearing for high load and long life. Stainless steel fixed pin.

- Template drilled screw holes.
- For timber door/metal frame application half wood/half machine screws (size ½ x 12-24) are supplied. Please specify.
- Certified to EN 1935 Grade 13
- CE certified.
- Certifire approved
- Suitable for fire rated doors.
- Very high Anti-Corrosive to BS EN Grade 4

#### Standard Finishes:

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)	EN1935 Grade
		Size	Type	Qty.		
<b>89.355</b>	102 x 76 x 3	1¼ x 10	S/S	8	120	13
<b>89.356</b>	102 x 102 x 3	1¼ x 10	S/S	8	120	13
<b>89.357</b>	102 x 89 x 3	1¼ x 10	S/S	8	120	13
<b>89.359</b>	127 x 76 x 3	1¼ x 10	S/S	8	120	13
<b>89.372</b>	152 x 76 x 3	1¼ x 10	S/S	8	120	13

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer



### Stainless Steel Two Ball Bearing Hinges



1121-CPR-AC5031  
EN 1935:2002

Heavy duty hinge with stainless steel fixed pin, 2 thrust bearing and button tip at both ends.

- Wooden and metal doors and frames.
- Standard : EN 1935:2002
- Class : 

4	7	6	1	1	4	0	13
---	---	---	---	---	---	---	----
- Corrosion resistance Grade 4 : 240 Hrs

#### Standard Finishes:

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)	EN1935 Grade
		Size	Type	Qty.		
<b>89.380</b>	102 x 76 x 3	1¼ x 10	S/S	8	120	13
<b>89.381</b>	102 x 89 x 3	1¼ x 10	S/S	8	120	13
<b>89.382</b>	102 x 102 x 3	1¼ x 10	S/S	8	120	13



### Stainless Steel Four Ball Bearing Hinges

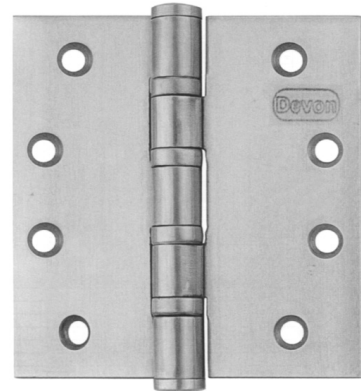
Heavy duty hinge with stainless steel fixed pin, 4 thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.
- For timber door/metal frame application half wood/half machine screws (size ½ x 12-24) are supplied. Please specify.
- Suitable for fire rated doors
- Available with security dog bolt upon request.

#### Standard Finishes:

- 086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)	EN1935 Grade
		Size	Type	Qty.		
<b>89.350</b>	102 x 76 x 3	1¼ x 10	S/S	8	80	13
<b>89.351</b>	102 x 102 x 3	1¼ x 10	S/S	8	80	13
<b>89.352</b>	114 x 102 x 3.4	1¼ x 12	S/S	8	120	13
<b>89.353</b>	114 x 114 x 3.4	1¼ x 12	S/S	8	120	13

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Stainless Steel Washered Hinges.

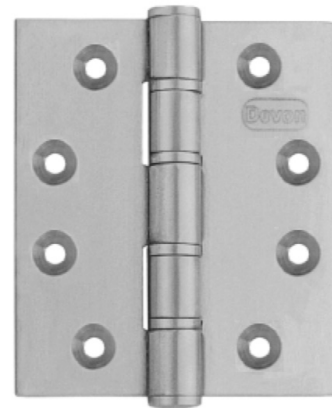
With stainless steel fixed pin, stainless steel washers and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.
- Suitable for fire rated doors, comply with EN1634.
- For timber door/metal frame application half wood/half machine screws (size ½ x 12-24) are supplied. Please specify.

#### Standard Finishes:

- 086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)	EN1935 Grade
		Size	Type	Qty.		
<b>89.342</b>	76 x 52 x 2	1¼ x 6	S/S	8	60	10
<b>89.343</b>	102 x 76 x 2.5	1¼ x 8	S/S	8	60	10

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Stainless Steel Rising Hinges

With stainless steel fixed pin and button tip at both ends.

#### Standard Finishes:

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)
		Size	Type	Qty.	
<b>89.411</b>	102 x 76 x 3	1¼ x 10	S/S	8	60

Weight capacity is based on two hinges per door

### Stainless Steel Falling Hinges

With stainless steel fixed pin and button tip at both ends.

#### Standard Finishes:

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)
		Size	Type	Qty.	
<b>89.412</b>	102 x 76 x 3	1¼ x 10	S/S	8	60

Weight capacity is based on two hinges per door



### Brass Washered Hinges

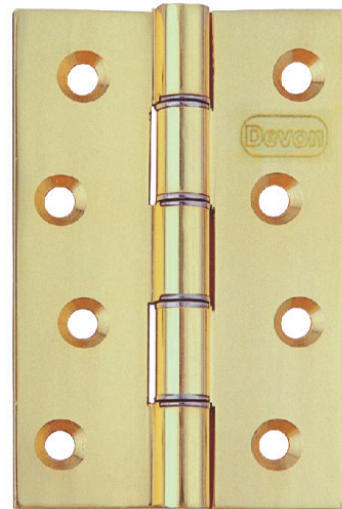
Strong hinges with stainless steel pin and double stainless steel washers

- Available with congruent (zig zag) or ANSI template drilled screw holes

#### Standard Finishes:

**059** Polished Brass  
**063** Polished Chrome  
**078** Antique Brass

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)	EN1935 Grade
		Size	Type	Qty.		
<b>89.311</b>	76 x 52 x 2.5	1 x 8	Brass	8	40	6
<b>89.312</b>	102 x 76 x 3	1 1/4 x 10	Brass	8	60	10

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Brass Washered Hinges With Finials

Strong hinges with stainless steel pin and double stainless steel washers

- Available with congruent (zig zag) or ANSI A 156.7 template drilled screw holes

#### Standard Finishes:

**059** Polished Brass  
**063** Polished Chrome  
**078** Antique Brass

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)	EN1935 Grade
		Size	Type	Qty.		
<b>89.308</b>	76 x 52 x 2.5	1 x 8	Brass	8	40	6
<b>89.309</b>	102 x 76 x 3	1 1/4 x 10	Brass	8	60	10

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Brass Double Ball Bearing Hinges

Double ball bearing hinge with stainless steel fixed pin, two thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.

#### Standard Finishes:

**059** Polished Brass  
**063** Polished Chrome  
**078** Antique Brass

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)	EN1935 Grade
		Size	Type	Qty.		
<b>89.328</b>	102 x 76 x 3	1 1/4 x 12	Brass	8	80	11
<b>89.329</b>	102 x 102 x 3	1 1/4 x 12	Brass	8	80	11

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Brass Four Ball Bearing Hinges

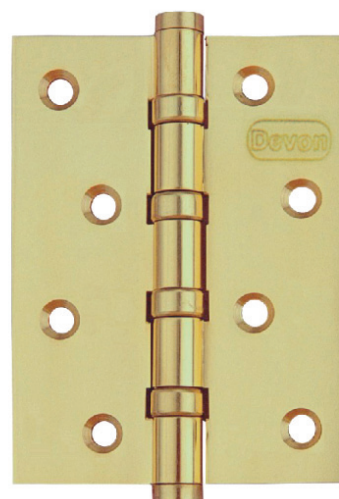
Four ball bearing hinge with stainless steel fixed pin, four thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.

#### Standard Finishes:

**059** Polished Brass  
**063** Polished Chrome  
**078** Antique Brass

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)	EN1935 Grade
		Size	Type	Qty.		
<b>89.332</b>	102 x 76 x 3	1 1/4 x 12	Brass	8	80	12
<b>89.333</b>	127 x 76 x 3	1 1/4 x 12	Brass	8	80	12
<b>89.334</b>	102 x 102 x 3	1 1/4 x 12	Brass	8	80	12
<b>89.335</b>	114 x 102 x 3.5	1 1/4 x 12	Brass	8	80	12
<b>89.336</b>	127 x 102 x 4	1 1/4 x 14	Brass	10	120	13
<b>89.337</b>	152 x 102 x 4	1 1/4 x 14	Brass	10	120	13

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Brass Double Ball Bearing Hinges With Finials.

Double ball bearing hinge with stainless steel fixed pin, two thrust bearing and finials at both ends.

- Available with congruent (zig zag) or template drilled screw holes.

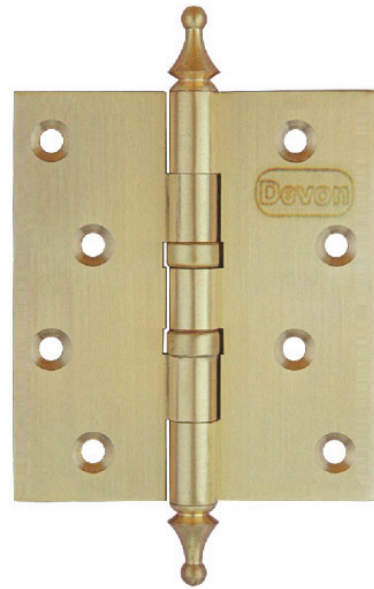
#### Standard Finishes:

**059** Polished Brass

**068** Gold Plated

**078** Antique Brass

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)	EN1935 Grade
		Size	Type	Qty.		
<b>89.324</b>	102 x 76 x 3	1 1/4 x 12	Brass	8	80	11
<b>89.325</b>	102 x 102 x 3	1 1/4 x 12	Brass	8	80	11

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Brass Four Ball Bearing Hinges With Finials

Four ball bearing hinge with stainless steel fixed pin, four thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.

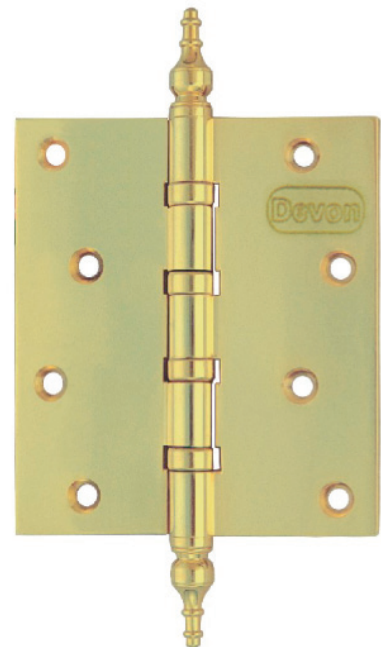
#### Standard Finishes:

**059** Polished Brass

**068** Gold Plated

**078** Antique Brass

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)	EN1935 Grade
		Size	Type	Qty.		
<b>89.500</b>	102 x 76 x 3	1 1/4 x 12	Brass	8	80	12
<b>89.501</b>	127 x 76 x 3	1 1/4 x 12	Brass	8	80	12
<b>89.502</b>	102 x 102 x 3	1 1/4 x 12	Brass	8	80	12
<b>89.503</b>	114 x 102 x 3.5	1 1/4 x 12	Brass	8	80	12
<b>89.504</b>	127 x 102 x 4	1 1/4 x 12	Brass	10	120	13
<b>89.505</b>	152 x 102 x 4	1 1/4 x 14	Brass	10	120	13

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Brass Parliament Hinges

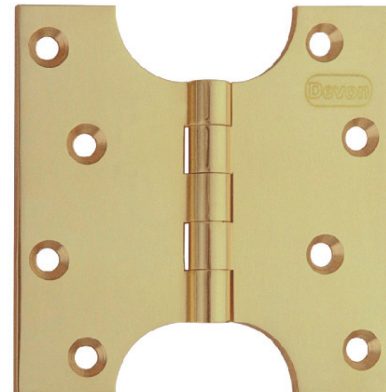
With brass pin

- Available with congruent (zig zag) screw holes)

#### Standard Finishes:

- 059** Polished Brass
- 063** Polished Chrome
- 068** Gold Plated
- 078** Antique Brass

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)	EN1935 Grade
		Size	Type	Qty.		
<b>89.399</b>	102 x 76 x 127 x 4	1 ¼ x 12	Brass	8	60	10
<b>89.400</b>	102 x 102 x 152 x 4	1 ¼ x 12	Brass	8	60	10

Weight capacity is based on three hinges per door

### Concealed Hinges

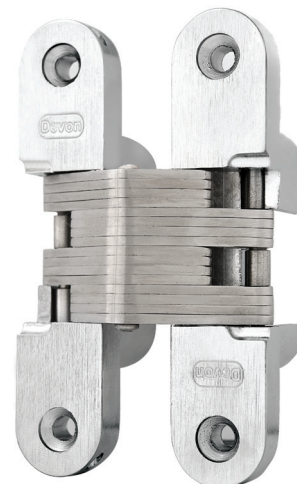
Concealed hinges with stainless steel links and pins.

- Available with congruent (zig zag) screw holes

#### Standard Finishes:

- 061** Satin Chrome
- 059** Polished Brass
- 063** Polished Chrome
- 078** Antique Brass

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)
		Size	Type	Qty.	
<b>89.360</b>	70 x 16	1 ¼ x 8	NP	4	18
<b>89.361</b>	95 x 19	1 ¼ x 10	NP	4	25
<b>89.362</b>	117.5 x 25.5	1 ¼ x 12	NP	4	60
<b>89.363</b>	140 x 35	1 ¼ x 12	NP	4	60

Weight capacity is based on three hinges per door

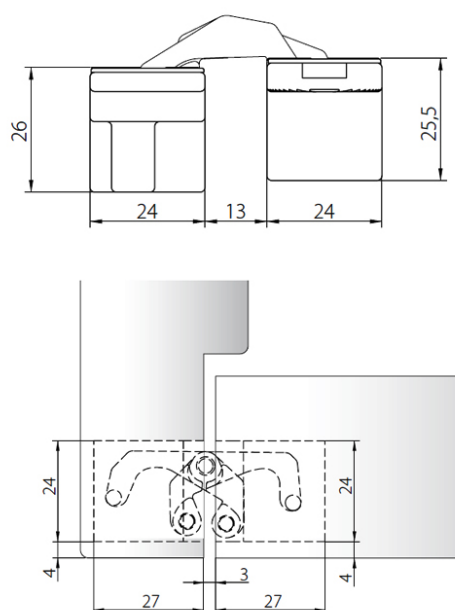
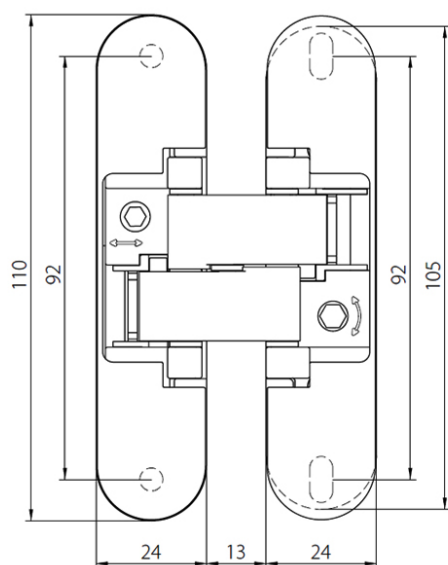
### 3D Adjustable Concealed Hinge

#### DATA AND FEATURES

- 3D Adjustable
- **Load Capacity**
  - 2 hinges : 80kg
  - 3 hinges : 110kg
- **Finishing**
  - Plated :
    - Polished Brass
    - Polished Chrome
  - Powder Coated :
    - Satin Chrome
    - Satin Nickel
    - Coated Bronze
    - White
    - Black
- **Dimensions :**
  - Height : 110mm
  - Width : 24mm
  - Opening Angle : 180°



**89.367**



### Aluminium Washered Hinges

Durable hinges with stainless steel pin and double stainless steel washers

#### Standard Finishes:

- 021** Silver Anodized
- 022** Polished Silver Anodized

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)	EN1634 Grade
		Size	Type	Qty.		
<b>89.298</b>	102 x 76 x 4	1¼ x 12	S/S	8	60	10

Weight capacity is based on three hinges per door

### Double Action Spring Hinge

- Door opens in either direction
- Spring tension is adjustable

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes upon request.



Code	Height	Screws per hinge Countersunk Head			Effective Door Weight (Kg)
		Size	Type	Qty.	
<b>86.250</b>	100 mm	1¼ x 10	S/S	8	30
<b>86.251</b>	125 mm	1¼ x 10	S/S	8	40
<b>86.252</b>	150 mm	1¼ x 10	S/S	8	50

Weight capacity is based on three hinges per door.

The center hinge should be installed approximately 250 mm from top hinge for maximum support.



### Stainless Steel Double Ball Bearing Hinges

High quality hinge with stainless steel fixed pin, 2 thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.
- For timber door/metal frame application half wood/half machine screws (size ½ x 12-24) are supplied. Please specify.
- Suitable for fire rated doors, comply with EN1634
- Successfully included in fire door test upto 120 minutes
- Available with security dog bolt upon request.

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 078** Antique Brass
- 101** PVD

Other finishes upon request.



Code	Length x Width x Thickness MM	Screws per hinge Countersunk Head			Effective Door Weight (Kg)	EN1935 Grade
		Size	Type	Qty.		
<b>89.338</b>	102 x 76 x 3	1¼ x 10	S/S	8	80	11
<b>89.339</b>	102 x 102 x 3	1¼ x 10	S/S	8	80	11
<b>89.340</b>	114 x 102 x 3.4	1¼ x 12	S/S	8	120	13
<b>89.341</b>	114 x 114 x 3.4	1¼ x 12	S/S	8	120	13

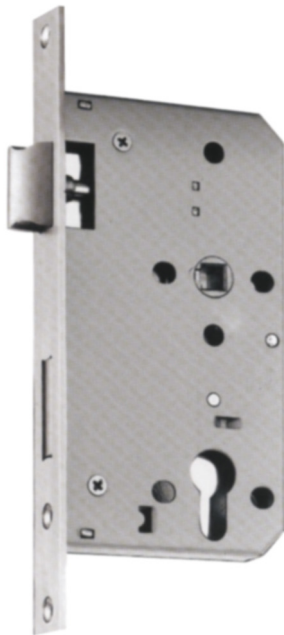
Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer



1121-CPR-5098

**EN 12209:2003/AC 2005**



## Mortise Cylinder Lockcase

- Stainless steel latchbolt and dead bolt
- Center : 72 mm
- Deadbolt : 2 Turn
- Forend : Round or rectangle, stainless steel
- Lever follower: 8 x 8 mm
- Certified to EN12209:2003
- EN Classification: 

3	X	8	1	0	G	3	B	C	2	0
---	---	---	---	---	---	---	---	---	---	---

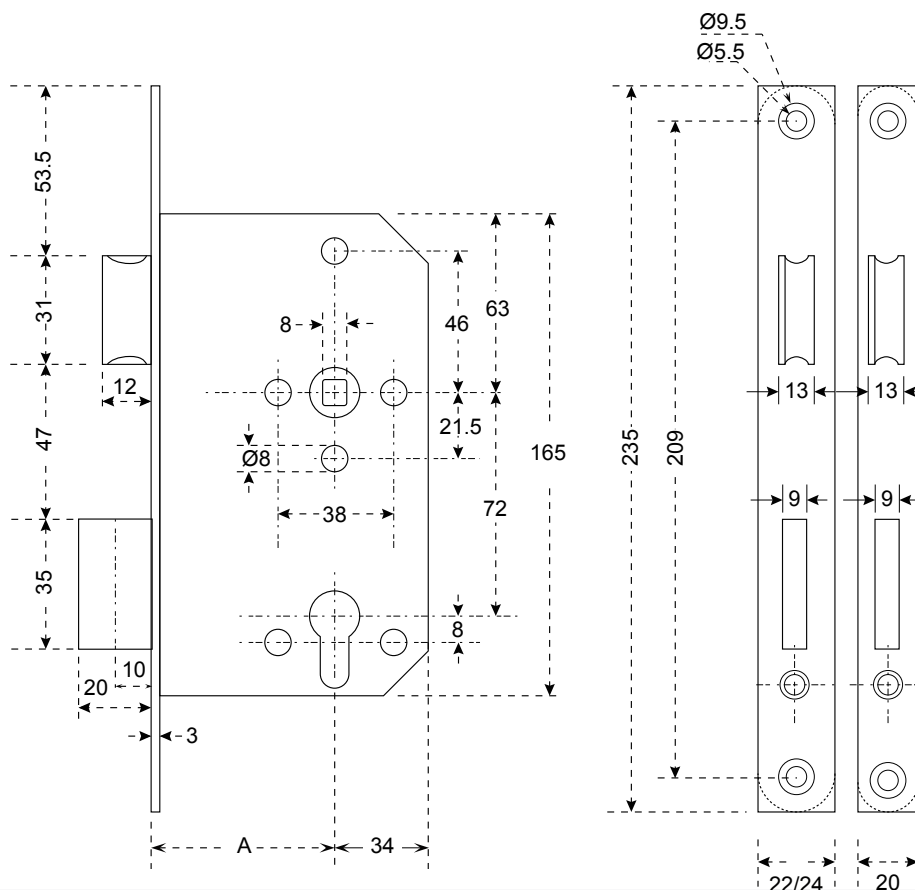
### Standard Finishes:

**086** Satin Stainless Steel  
**087** Polished Stainless Steel  
**059** Polished Brass  
**078** Antique Brass

Other finishes upon request.

**88.750 - 55 mm backset**

**88.760 - 60 mm backset**

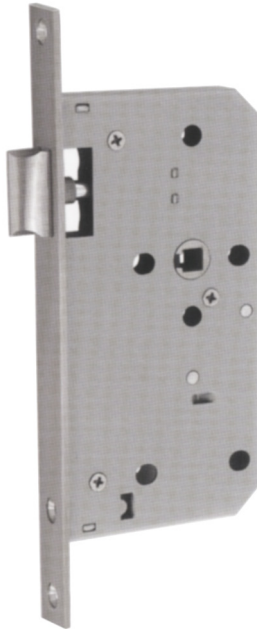






1121-CPR-5098

**EN 12209:2003/AC 2005**



## Mortise Latchcase

- Stainless steel latchbolt
- Forend : Round or rectangle, stainless steel
- Lever follower: 8 x 8 mm
- Standard: Certified to EN12209:2003
- EN classification 

3	X	8	1	0	G	-	B	0	2	0
---	---	---	---	---	---	---	---	---	---	---

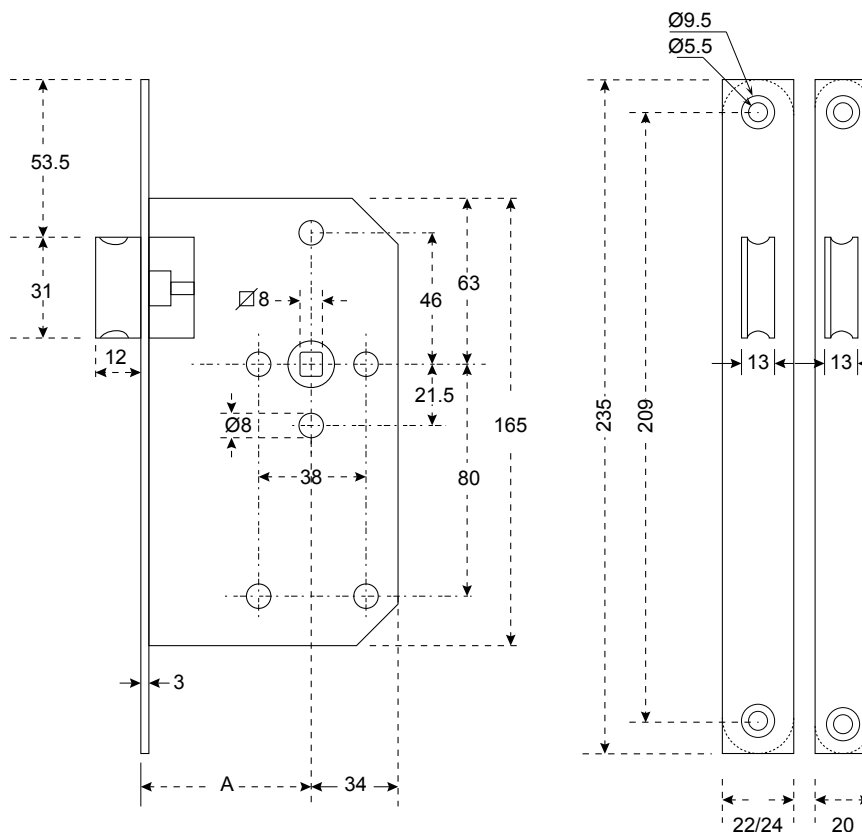
### Standard Finishes:

**086** Satin Stainless Steel  
**087** Polished Stainless Steel  
**059** Polished Brass  
**078** Antique Brass

Other finishes upon request.

**88.751 - 55 mm backset**

**88.761 - 60 mm backset**





1121-CPR-5099

EN 12209:2003/AC 2005



### Mortise Dead Lockcase

- Stainless steel deadbolt
- Deadbolt : 2 turn
- Forend : Round or rectangle, stainless steel
- Standard: Certified to EN12209:2003
- EN classification 

3	X	8	1	0	G	3	B	C	0	0
---	---	---	---	---	---	---	---	---	---	---

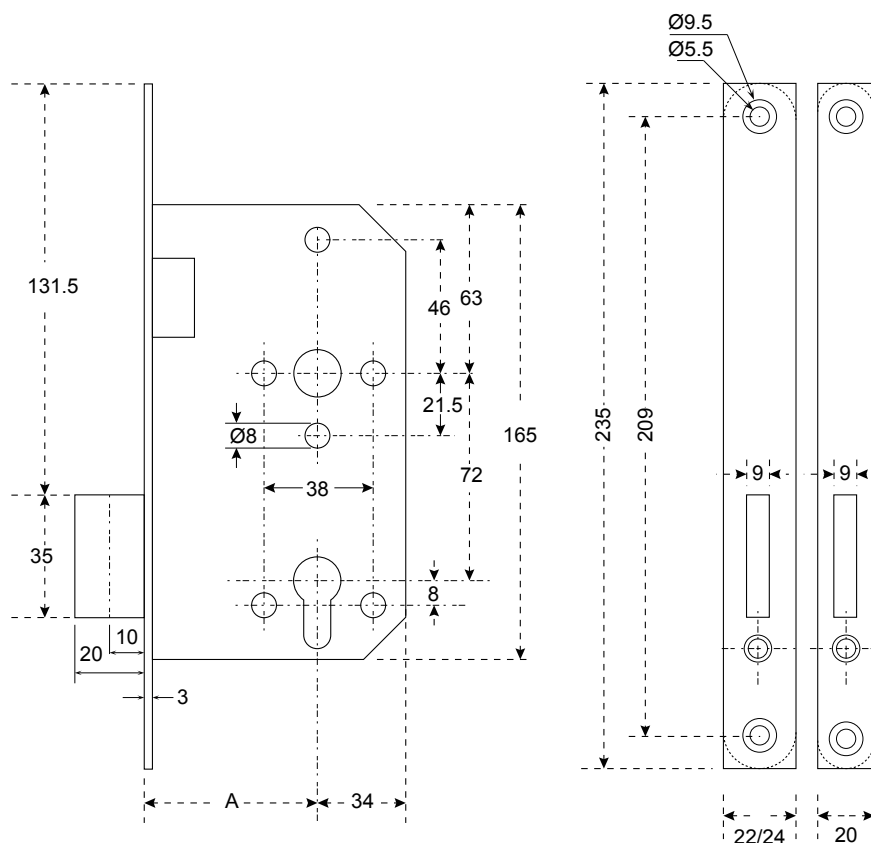
#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.752** - 55 mm backset

**88.762** - 60 mm backset





### Mortise Bathroom Lockcase

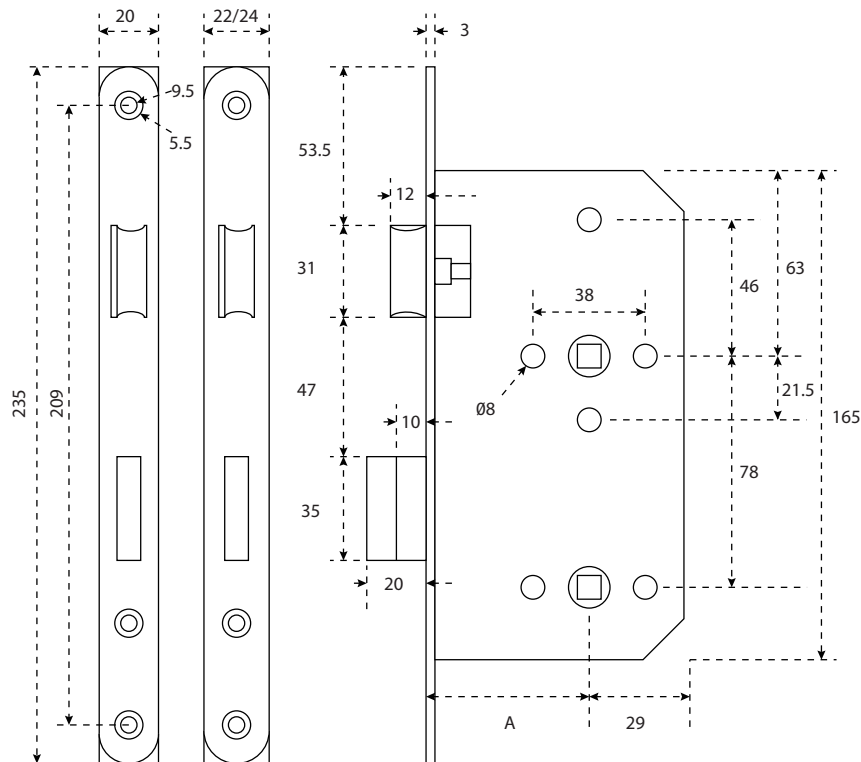
- Heavy duty spring mechanism, suitable for non-sprung level furniture.
- Stainless steel deadbolt
- Deadbolt : 2 turn
- Centers : 78mm
- Backset : 55mm(standard), 60mm upon request
- Latch and dead bolt spindle 8 x 8mm
- Front plate rectangular as standard.  
Rounded front plate available upon order
- Standard: EN12209:2003
- Easy reversible latch bolt - without tampering with lock mechanism.

#### Standard Finishes:

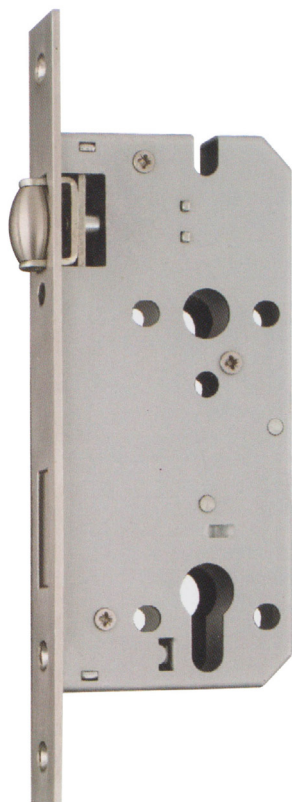
- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.753** - 55 mm backset  
**88.763** - 60 mm backset



EN 12209:2003



88.754

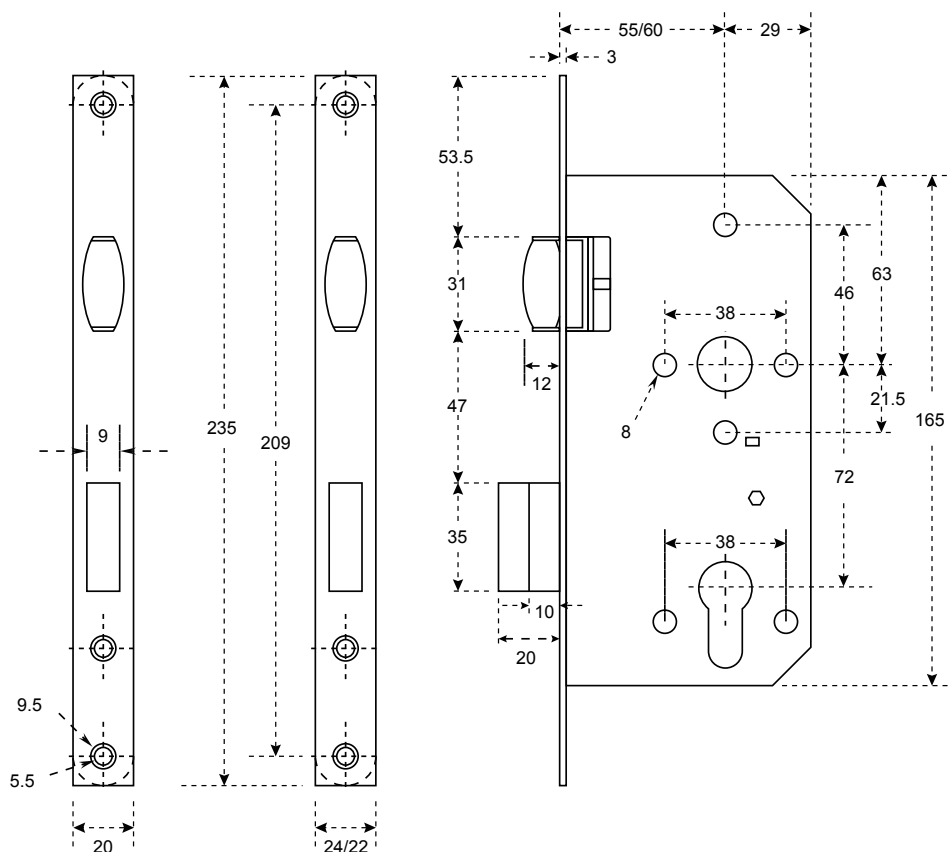
### Rollerbolt lock case

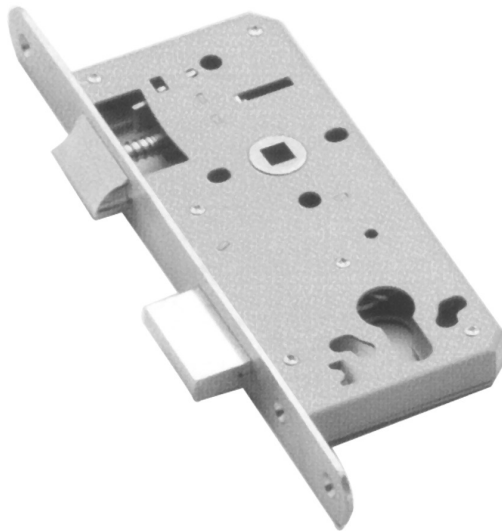
- Standard : EN12209:2003
- Forend : Stainless steel rectangular, optional rounded
- Rollerbolt : Stainless steel
- Deadbolt : Stainless steel, 2 turn
- Cylinder : Euro profile
- Centers : 72mm
- Bracket 55mm standard, optional 60mm

### Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.





88.803

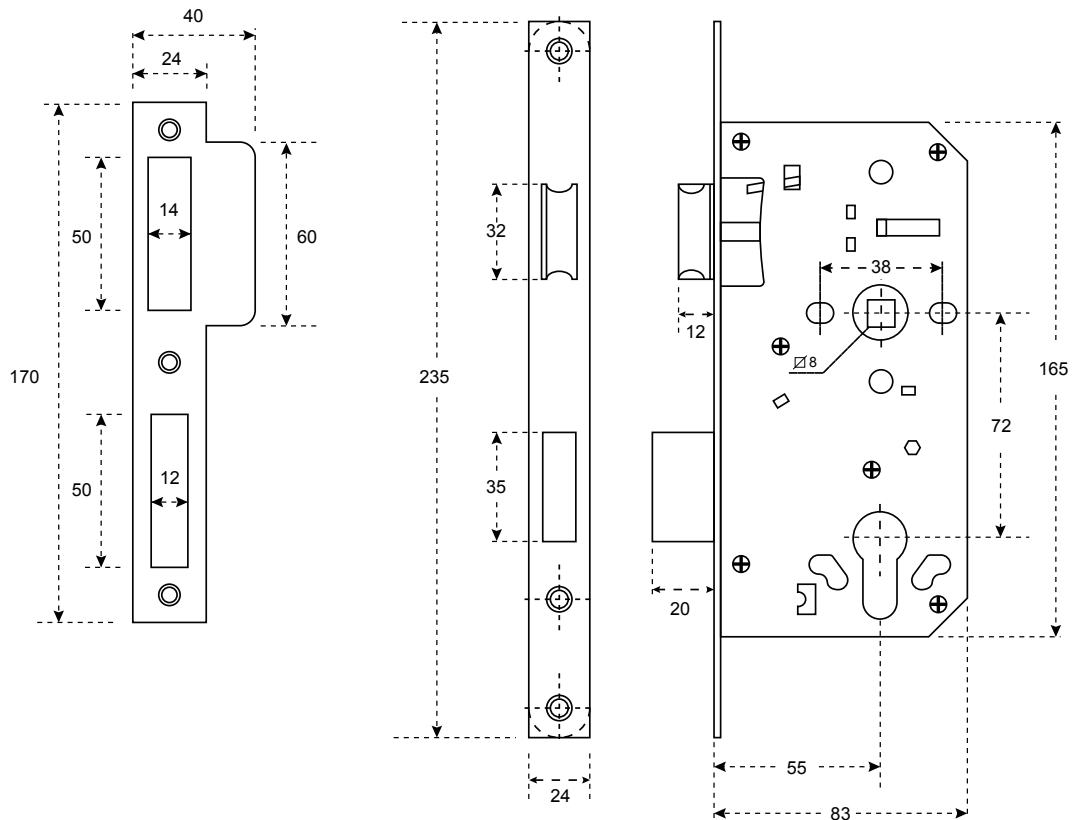
### Mortice Project Lock

- Heavy duty spring mechanism, suitable for non - sprung level furniture.
- Two turn dead bolt extension
- Centers 72 mm (Bathroom 78 mm)
- Backset 55 mm (Standard), 60 mm
- Front plate 24 x 235 mm, optional 20 x 235 mm
- Key action on latch bolt.
- Easy reversible latch bolt - without tampering with lock mechanism.
- Dimensions according to DIN 18251 - part 1
- Front plate rectangular as standard. Rounded front plate available upon order
- Successfully included in fire test to BS 476: Part 22 for use on 120 minutes fire door.

### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.





**88.803B**

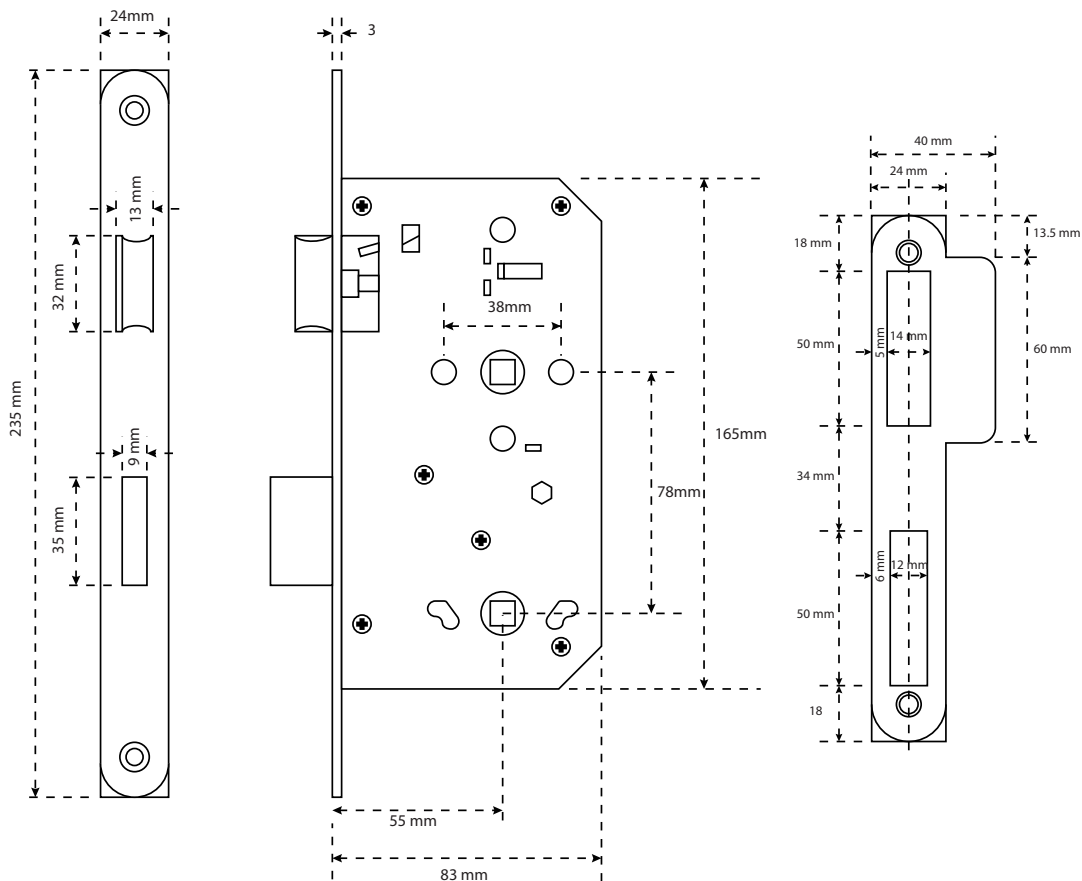
### Mortice Bathroom Lock

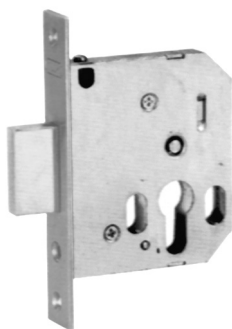
- Heavy duty spring mechanism, suitable for non - sprung level furniture.
- Two turn dead bolt extension
- Centers 78 mm
- Backset 55 mm (Standard)
- Front plate 24 x 235 mm, optional 20 x 235 mm
- Easy reversible latch bolt - without tampering with lock mechanism.
- Dimensions according to DIN 18251 - part 1
- Front plate rectangular as standard. Rounded front plate available upon order
- Successfully included in fire test to BS 476: Part 22 for use on 120 minutes fire door.

### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

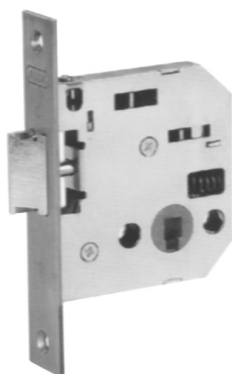
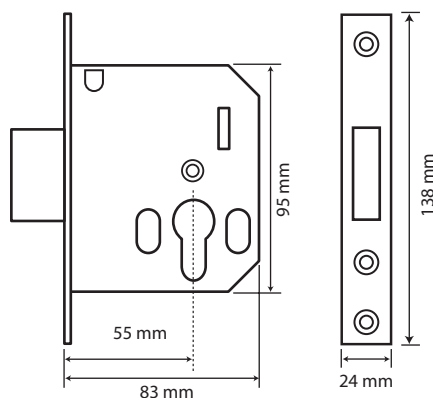




### Mortice Dead Lock

- Euro Profile Cylinder Operation
- Backset 55 mm
- Two turn bolt extension
- Forend 24 x 138 mm

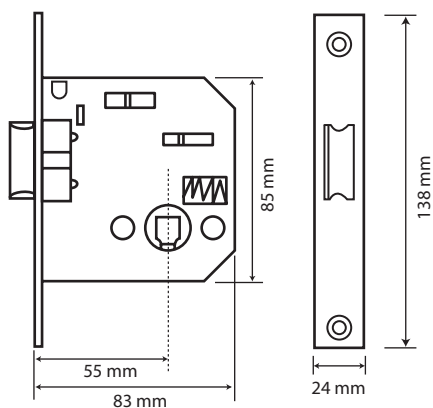
88.803D



### Mortice Latch

- Balanced spring mechanism, suitable for both sprung and unsprung lever Furniture for long life Operation.
- Easy reversible latch
- Backset 55 mm
- Forend 24 x 138 mm
- Successfully included in fire test to BS 476: Part 22 for use on 120 minutes fire door.

88.803F



### Standard Finishes:

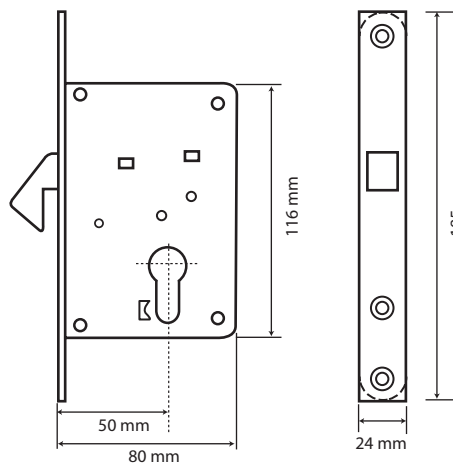
- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass

Other finishes upon request.

### Mortice Sliding Door Locks



88.471

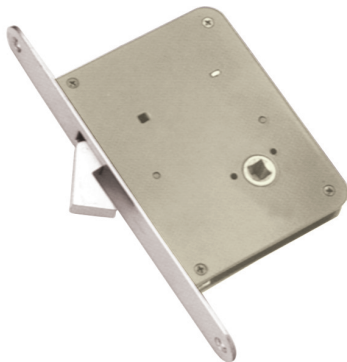


- Cylinder operated mortice lock for sliding doors.
- 50 mm Backset
- Solid brass hook
- Forend 24 x 185 mm

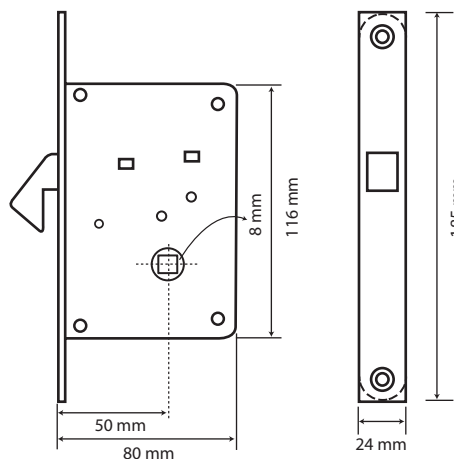
#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass

Other finishes upon request.



88.472



- Privacy function mortice lock for sliding doors.
- 50 mm Backset
- 8 mm square spindle holes
- Solid brass hook
- Forend 24 x 185 mm

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass

Other finishes upon request.



### Mortice Locks

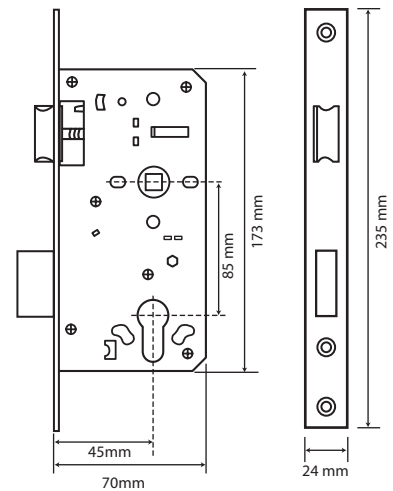


88.417

- Heavy spring mechanism, suitable for non - sprung lever furniture.
- Two turn dead bolt extension
- Centers 85 mm
- Backset 45 mm
- Front plate 24 x 235 mm
- Easy reversible latch - without tampering with lock mechanism.
- Solid brass latch and dead bolt
- Solid brass front plate

#### Standard Finishes:

- 059** Polished Brass  
**068** Gold Plated





1121-CPR-5098

EN 12209:2003/AC 2005



### Mortise Cylinder Lockcase

- Stainless steel latchbolt and dead bolt
- Center : 85 mm
- Deadbolt : 2 Turn
- Forend : Round or rectangle, stainless steel
- Lever follower: 8 x 8 mm
- Certified to EN12209:2003
- EN Classification: 

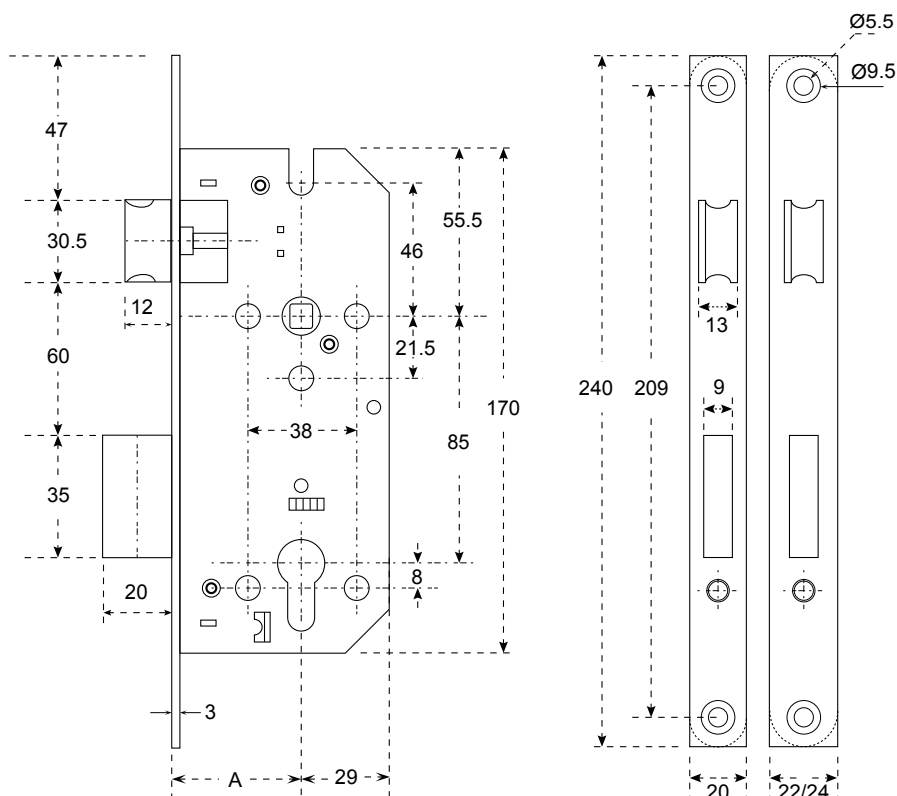
3	X	8	1	0	G	3	B	C	2	0
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#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

- 88.851** - 45 mm backset
- 88.852** - 55 mm backset
- 88.853** - 60 mm backset



EN 12209:2003/AC 2005



0407-CPR-1004



## Mortise Cylinder Lockcase

- Heavily sprung for lever handles
- Center : 72 mm
- 60mm backset
- Deadbolt : 2 turn
- Reversible latch
- Forend : Round or rectangle, stainless steel
- Lever follower: 8 x 8 mm
- Certified to EN12209:2003/AC2005
- EN Classification: 

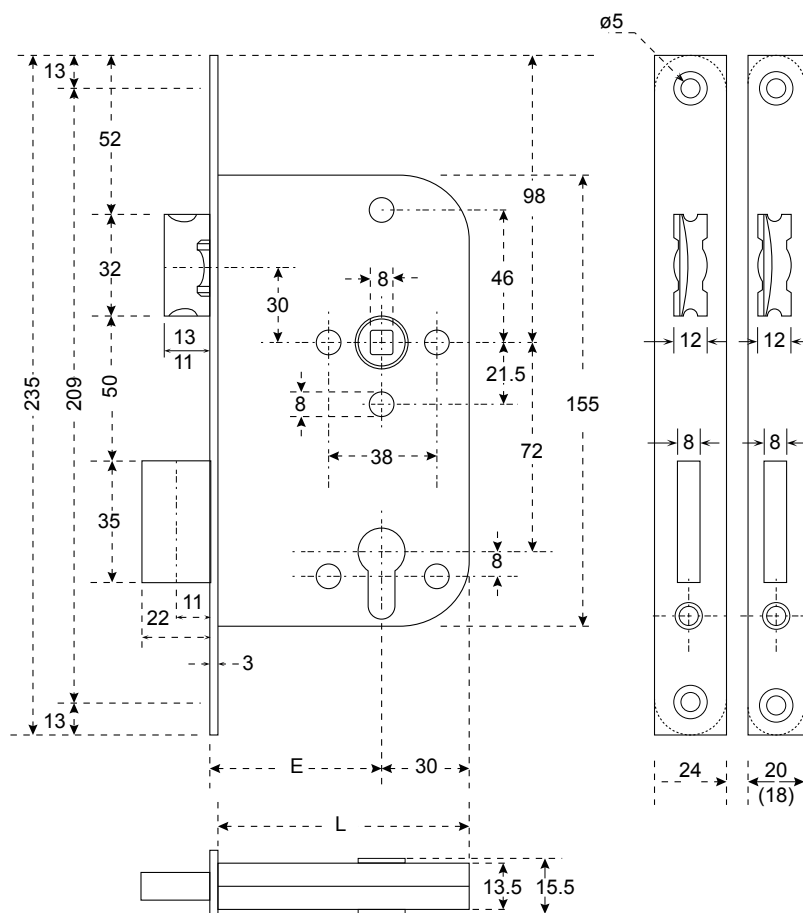
3	C	5	1	0	F	4	H	C	1	0
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**Standard Finishes:**

**086** Satin Stainless Steel  
**087** Polished Stainless Steel  
**059** Polished Brass  
**078** Antique Brass

Other finishes upon request.

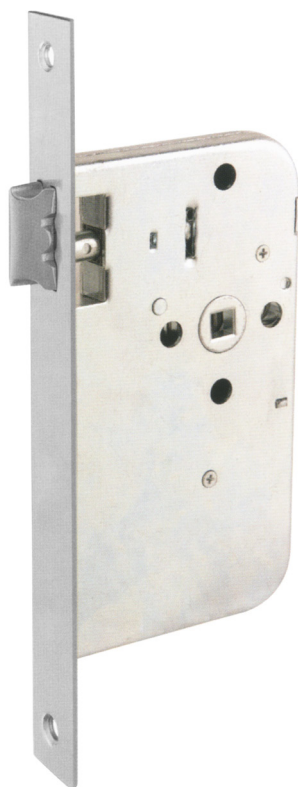
**88.100**



EN 12209:2003/AC 2005



0407-CPR-1004



### Mortise Latchcase

- Heavily sprung for lever handles
- 60mm backset
- Forend : Round or rectangle, stainless steel
- Reversible latch
- Lever follower: 8 x 8 mm
- Certified to EN12209:2003/AC2005
- EN Classification: 

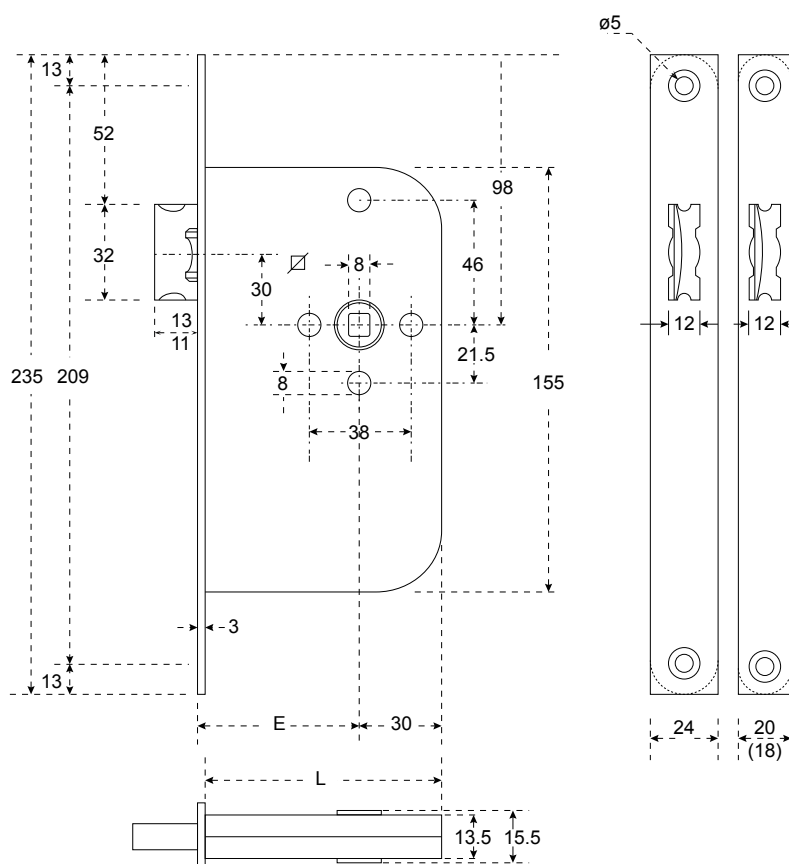
3	C	5	1	0	F	4	H	D	1	0
---	---	---	---	---	---	---	---	---	---	---

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

88.101



**EN 12209:2003/AC 2005**



0407-CPR-1004



## Mortise Deadlock

- Dead bolt 2 turn
- 60mm backset
- Forend : Round or rectangle, stainless steel
- Certified to EN12209:2003/AC2005
- EN Classification: 

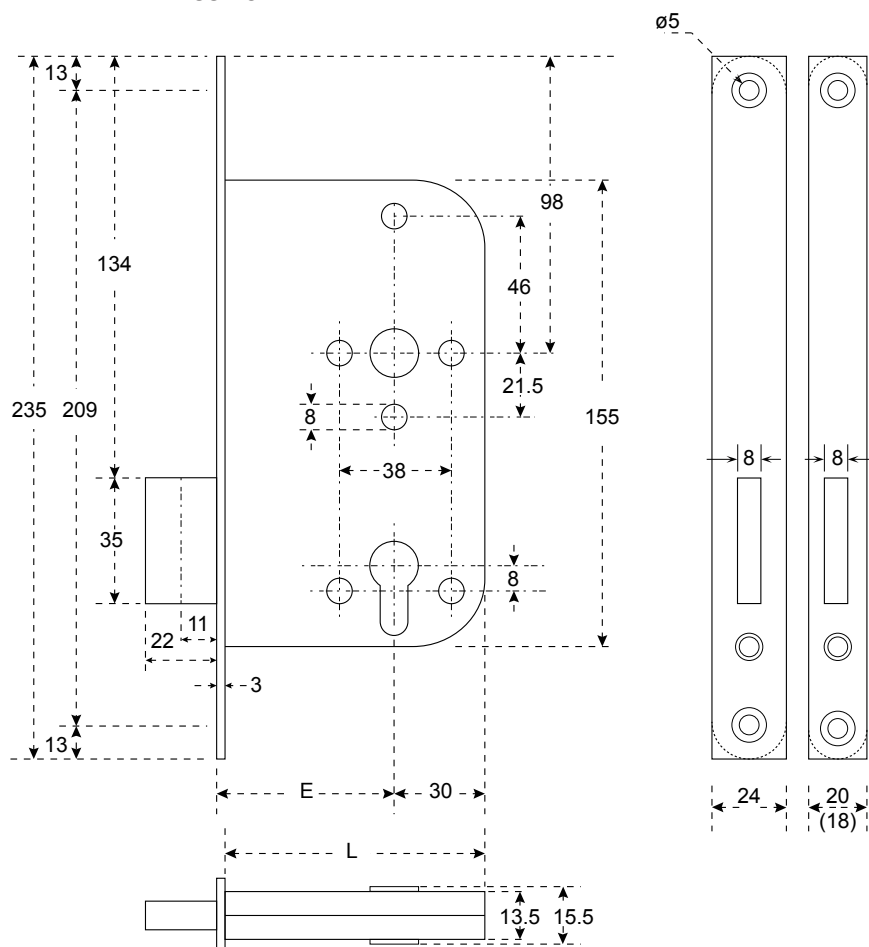
3	C	5	1	0	F	4	H	C	0	0
---	---	---	---	---	---	---	---	---	---	---

### Standard Finishes:

**086** Satin Stainless Steel  
**087** Polished Stainless Steel  
**059** Polished Brass  
**078** Antique Brass

Other finishes upon request.

# 88.102



EN 12209:2003/AC 2005



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### Mortise Privacy Deadlock

- 60mm backset (other backset available upon request)
- Deadbolt : 2 turn
- Forend : Round or rectangle, stainless steel
- Certified to EN12209:2003/AC2005
- EN Classification: 

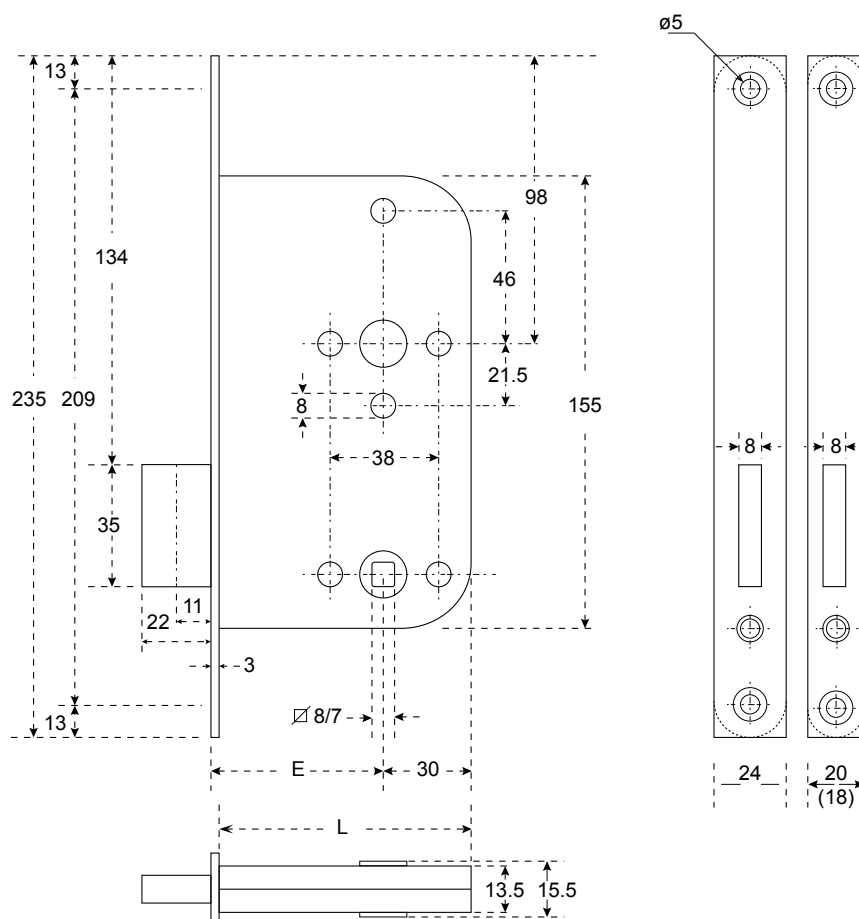
3	C	5	1	0	F	4	H	D	0	0
---	---	---	---	---	---	---	---	---	---	---

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

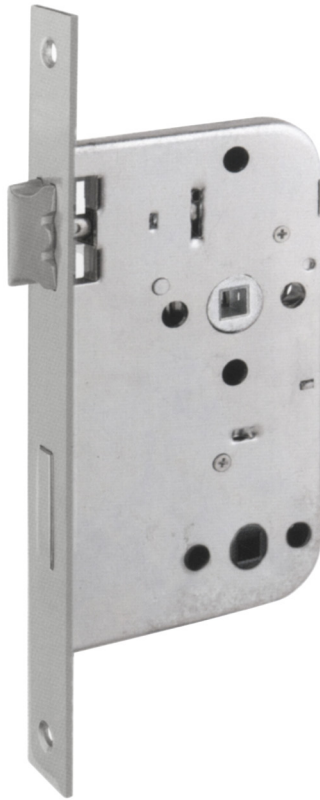
**88.102W**



EN 12209:2003/AC 2005



0407-CPR-1004



## Mortise Privacy Lock

- Heavily Sprung for lever handles
- Center : 78mm
- 60mm backset (other backset available upon request)
- Deadbolt : Single turn
- Reversible latch
- Forend : Round or rectangle, stainless steel
- Certified to EN12209:2003/AC2005
- EN Classification: 

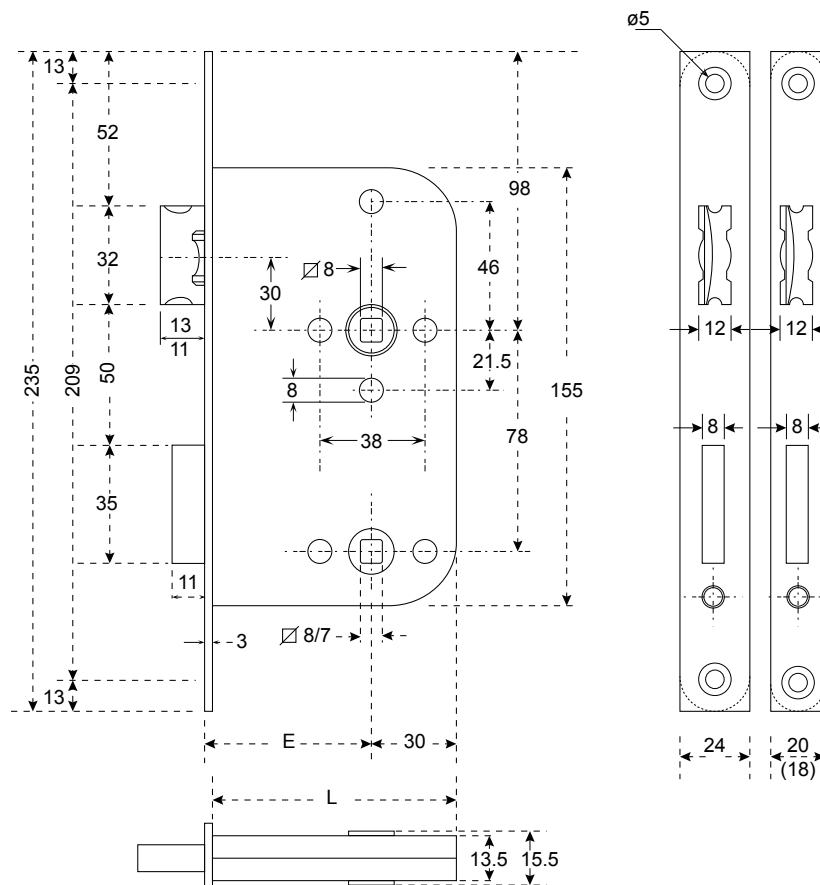
3	C	5	1	0	F	4	H	D	1	0
---	---	---	---	---	---	---	---	---	---	---

### Standard Finishes:

**086** Satin Stainless Steel  
**087** Polished Stainless Steel  
**059** Polished Brass  
**078** Antique Brass

Other finishes upon request.

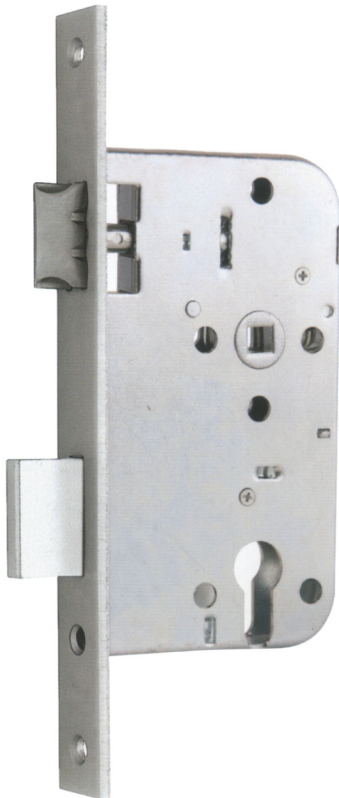
88.103



EN 12209:2003/AC 2005



0407-CPR-1004



### Mortise Security Cylinder Lockcase

- Heavily sprung for lever handles
- Center : 72mm
- 60mm backset (other backset available upon request)
- Deadbolt : 22mm single throw
- Reversible latch
- Forend : 4mm Round or rectangle, stainless steel
- Lever follower : 8 x 8mm
- Certified to EN12209:2003/AC2005
- EN Classification: 

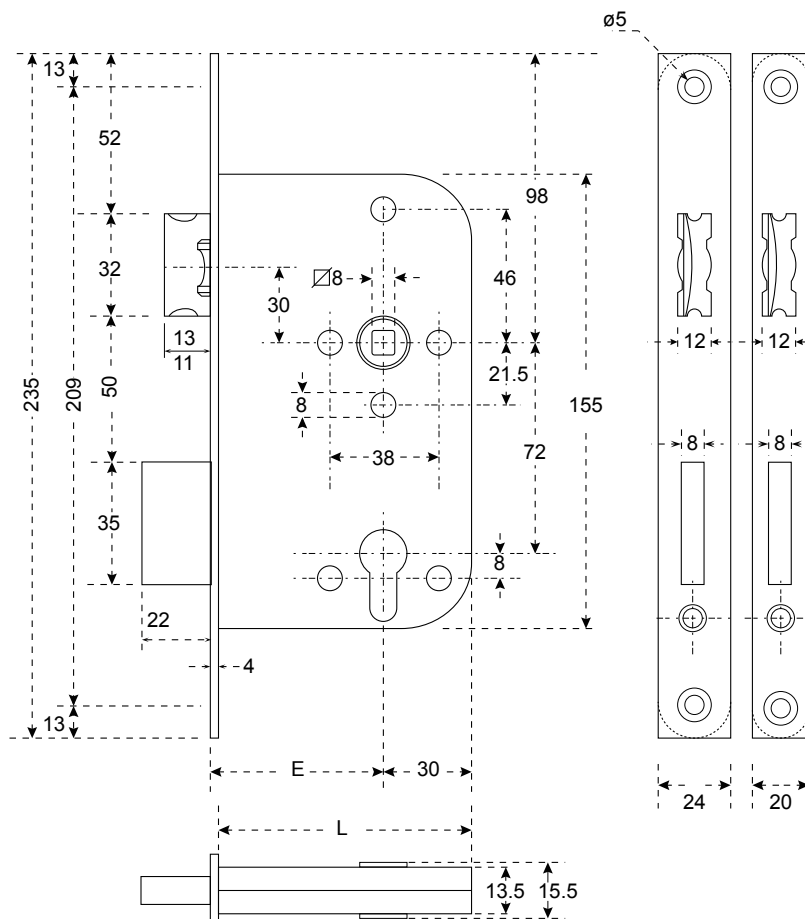
3	C	5	1	0	F	4	H	A	1	0
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#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

88.104





EN 12209:2003/AC 2005



0407-CPR-1004



88.105

### Mortise Cylinder Night Latch

#### Outside function :

Fixed knob or pull, latch bolt retracted by turning the key.

#### Inside function :

Latch bolt operated by lever handle or turning the key.

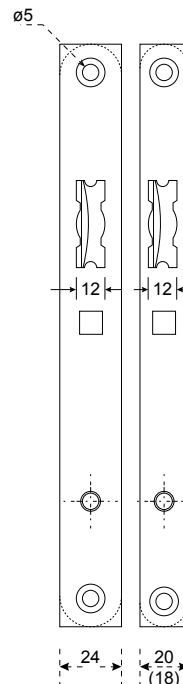
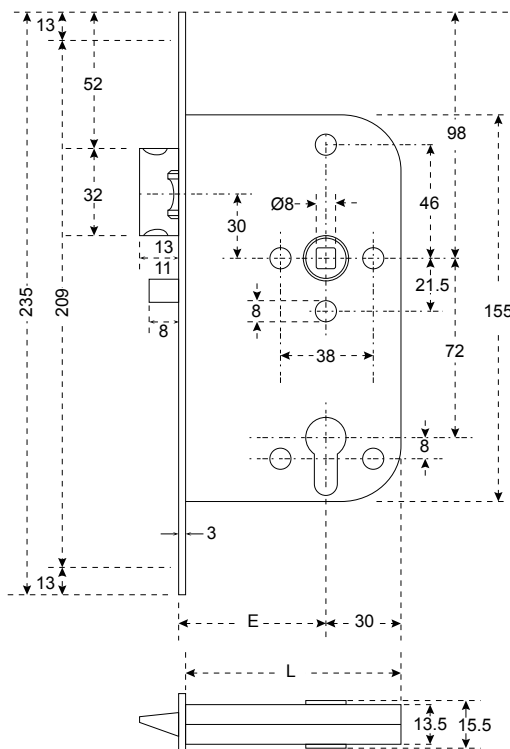
- Heavily Sprung for lever handles
- Center : 72mm
- 60mm backset (other backset available upon request)
- Dead locking Reversible Latch with auxiliary pin
- Forend : Round or rectangle, stainless steel
- Lever follower : 8 x 8 mm
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 

3	C	5	1	0	F	4	H	A	1	0
---	---	---	---	---	---	---	---	---	---	---

#### Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.



Require single side spindle  
Finish : Galvanized steel

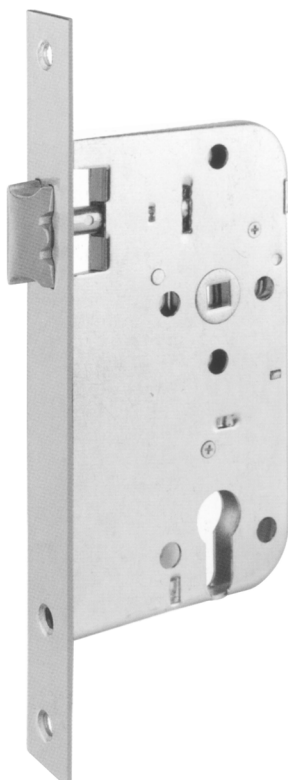


99.003.007

EN 12209:2003/AC 2005



0407-CPR-1004



**88.106**

### Mortise Cylinder Night Latch

#### Outside function :

Fixed knob or pull, latch bolt retracted by turning the key.

#### Inside function :

Latch bolt operated by lever handle or turning the key.

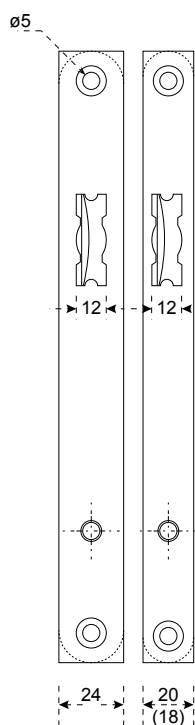
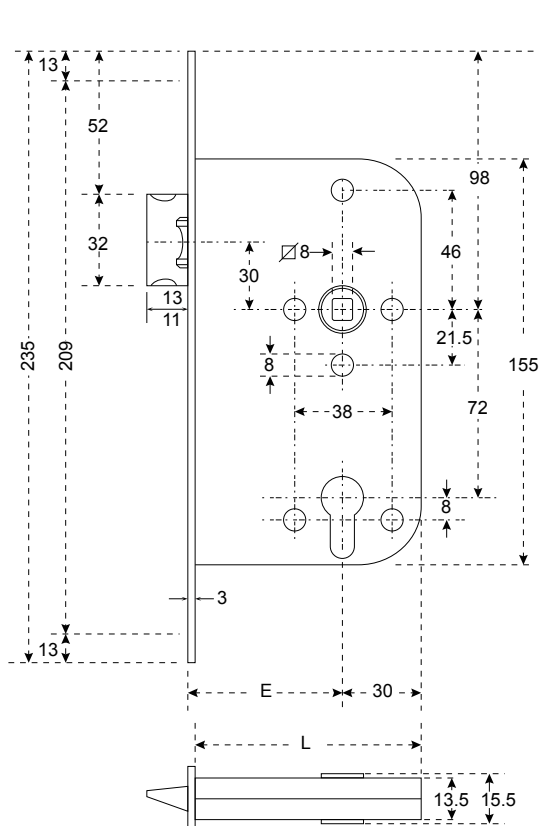
- Heavily sprung for lever handles
- Center : 72mm
- 60mm backset (other backset available upon request)
- Reversible latch
- Forend : Round or rectangle, stainless steel
- Lever follower : 8 x 8mm
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 

3	C	5	1	0	F	4	H	A	1	0
---	---	---	---	---	---	---	---	---	---	---

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.



**Require single side spindle**  
Finish : Galvanized steel



**99.003.007**

EN 12209:2003/AC 2005



0407-CPR-1004



## Panic Exit Cylinder Lock

*Outside Function:*

Fixed knob or pull, key operate latch and deadbolt

*Inside Function:*

Lever handle withdraw latch and deadbolt simultaneously.

Key operate deadbolt.

- Heavily sprung for lever handles
- Reversible latch
- Center : 72mm
- 60mm backset (other backset available upon request)
- Forend : Round or rectangle, stainless steel
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 

3	C	5	1	0	F	4	H	C	1	0
---	---	---	---	---	---	---	---	---	---	---

### Standard Finishes:

## 086 Satin Stainless Steel

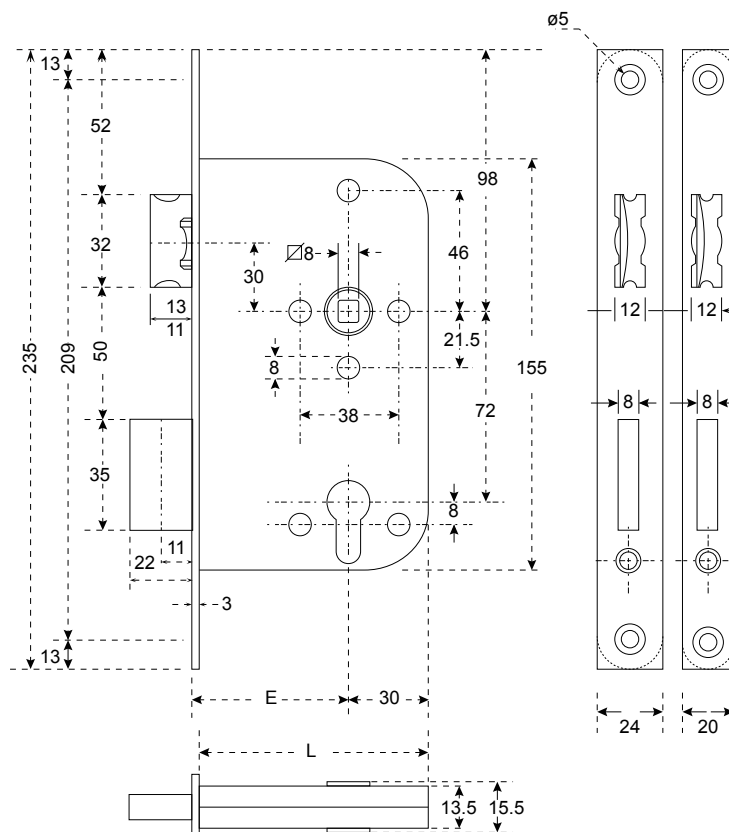
### 087 Polished Stainless Steel

**059 Polished Brass**

**078** Antique Brass

Other finishes upon request.

88.107



**Require single side spindle**

Finish : Galvanized steel



**99.003.007**

EN 12209:2003/AC 2005



0407-CPR-1004



### Panic Exit Cylinder Deadlock

#### Outside Function:

Fixed knob or pull, key operate deadbolt

#### Inside Function:

Lever handle withdraw deadbolt. Key operate deadbolt.

- Center : 72mm
- 60mm backset (other backset available upon request)
- Forend : Round or rectangle, stainless steel
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 

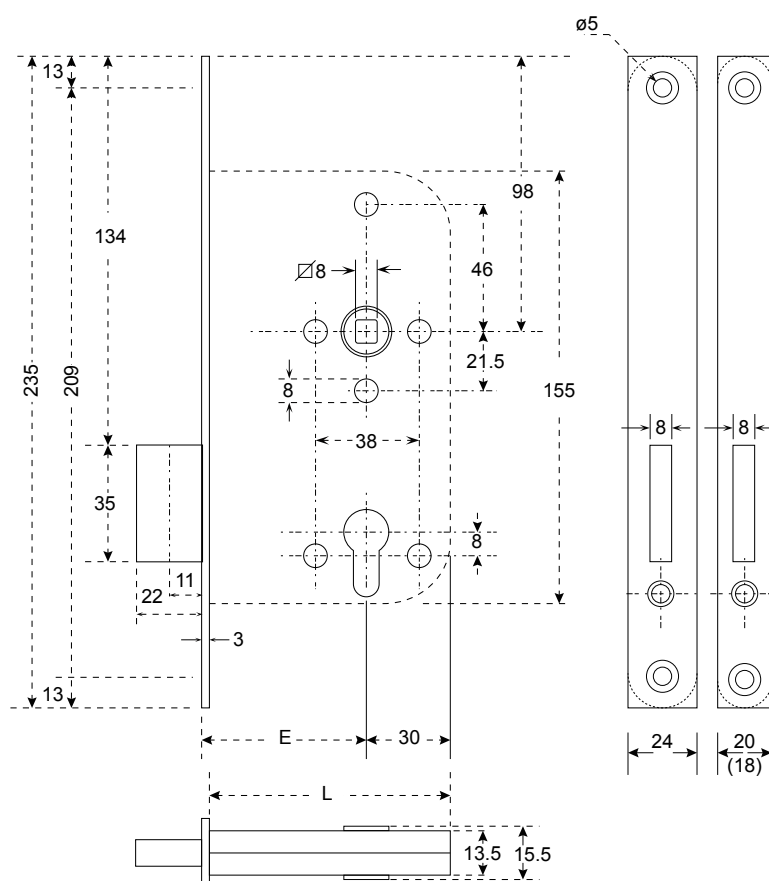
3	C	5	1	0	F	4	H	C	1	0
---	---	---	---	---	---	---	---	---	---	---

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.107D**



**Require single side spindle**  
Finish : Galvanized steel

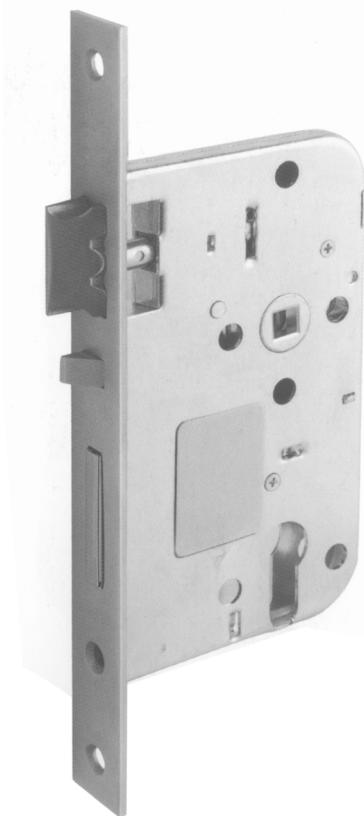


**99.003.007**

EN 12209:2003/AC 2005



0407-CPR-1004



### Panic Exit Cylinder Lock with Dead Locking Latch

#### Outside Function:

Fixed knob or pull, key operate latch and deadbolt

#### Inside Function:

Lever handle withdraw latch and deadbolt simultaneously.

Key operate deadbolt.

- Heavily sprung for lever handles
- Dead locking latch bolt with auxiliary pin
- Center : 72mm
- 60mm backset (other backset available upon request)
- Forend : Round or rectangle, stainless steel
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 

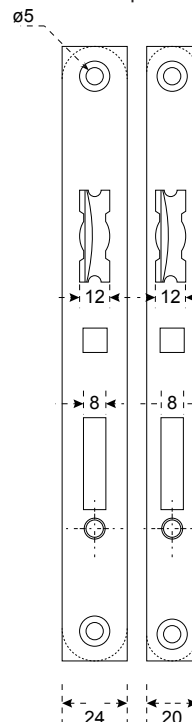
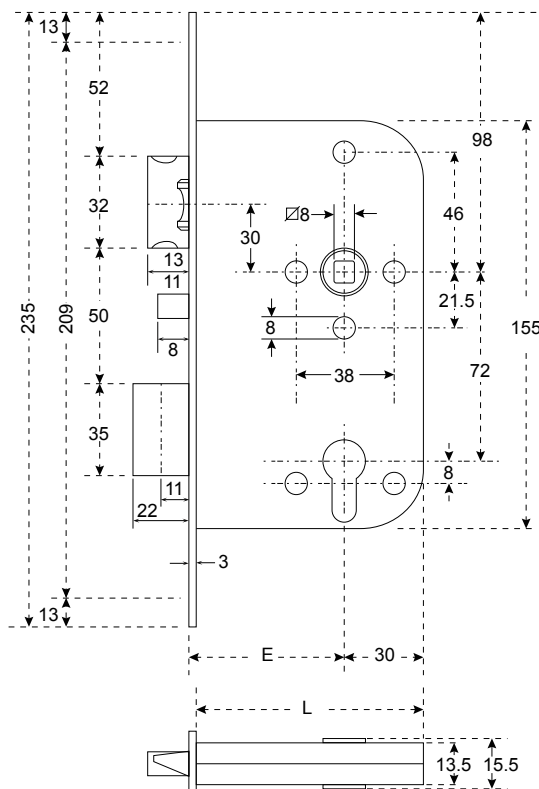
3	C	5	1	0	F	4	H	C	1	0
---	---	---	---	---	---	---	---	---	---	---

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.108**



**Require single side spindle**  
Finish : Galvanized steel



**99.003.007**

EN 12209:2003/AC 2005



0407-CPR-1004



**88.109R** - Right hand  
**88.109L** - Left hand

### Panic Exit Cylinder Lock

#### Outside Function:

Lever handle operate latch and key operate dead bolt.

#### Inside Function:

Lever handle withdraw latch and deadbolt simultaneously.

Key operate deadbolt.

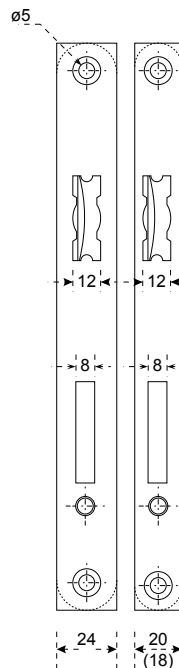
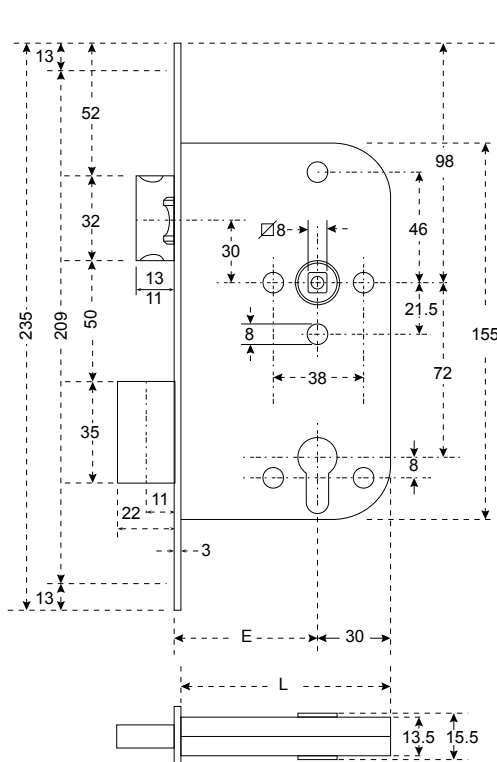
- Heavily sprung for lever handles
- Center : 72mm
- 60mm backset (other backset available upon request)
- Dead locking reversible latch with auxiliary pin
- Handed (Specify Right Hand/Left Hand)
- Forend : Round or rectangle, stainless steel
- Split lever followers with 6.5mm dividing aperture
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 

3	C	5	1	0	F	4	H	C	1	0
---	---	---	---	---	---	---	---	---	---	---

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.



**Require split spindle**  
Finish : Galvanized steel



**99.004.007**

EN 12209:2003/AC 2005



0407-CPR-1004



**88.110 R - Right Hand**  
**88.110 L - Left Hand**

### Mortise Cylinder Classroom Lock

#### Outside Function:

Latch bolt retracted by lever except when outside lever is blocked by turning key.

#### Inside Function:

Latch bolt operated by lever handle or turning the key.

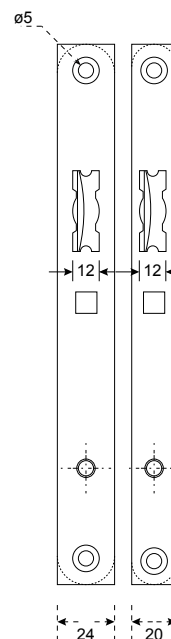
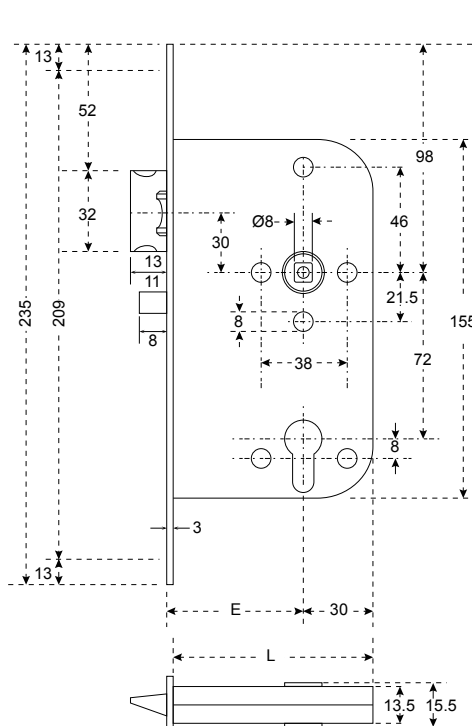
- Heavily sprung for lever handles
- Center : 72 mm
- 60mm backset (other backset available upon request)
- Dead locking handed latch with auxiliary pin
- Split follower with 6.5mm aperture
- Forend : Round or rectangle, stainless steel
- Spindle: Split 8 x 8 mm
- Bolt through fixing holes at 38mm for lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 

3	C	5	1	0	F	4	H	A	1	0
---	---	---	---	---	---	---	---	---	---	---

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.



**Require split spindle**  
Finish : Galvanized steel



**99.004.007**



### Mortise Cylinder Lockcase

- Heavily sprung for lever handles
- Center : 85 mm
- 55 mm backset (other backset available upon request)
- Deadbolt : 2 turn
- Reversible latch
- Forend : Round or rectangle, stainless steel
- Lever follower : 8 x 8 mm

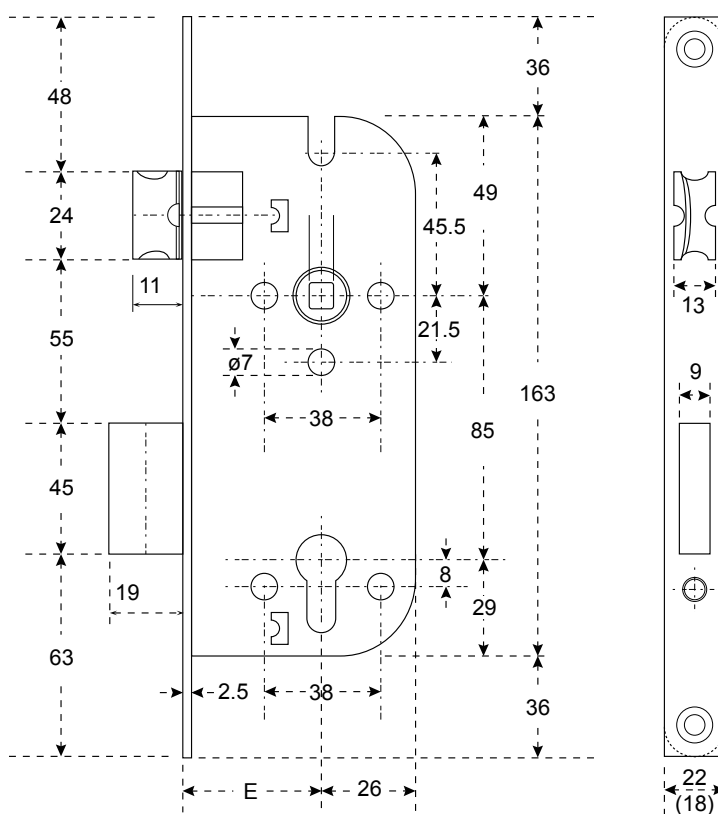
#### Standard Finishes:

**059** Polished Brass

**078** Antique Brass

Other finishes upon request.

**88.418**

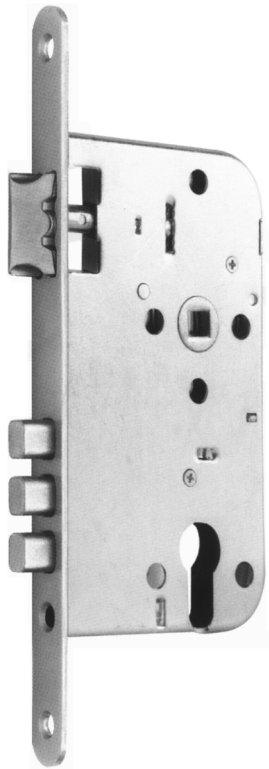




EN 12209:2003/AC 2005



0407-CPR-1004



### Mortise Cylinder Lockcase with reinforced three sectional Deadbolts

- Heavily sprung for lever handles
- Center : 72mm
- 60mm backset (other backset available upon request)
- Deadbolt : 3 reinforced sectional bolts, two turn
- Reversible latch
- Forend : Round or rectangle, stainless steel
- Lever follower : 8 x 8mm
- Certified to EN12209:2003/AC2005
- EN Classification: 

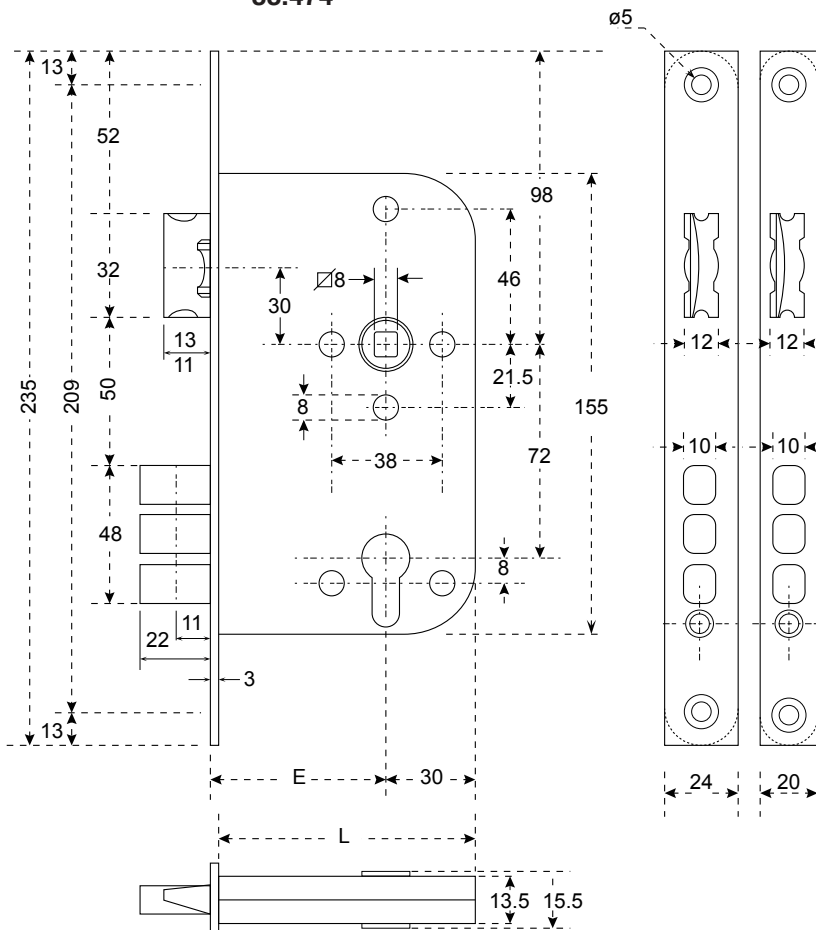
3	C	5	1	0	F	4	H	C	1	0
---	---	---	---	---	---	---	---	---	---	---

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

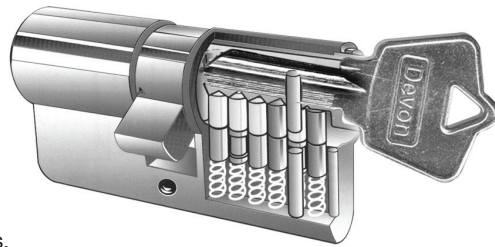
88.474



### CYLINDERS

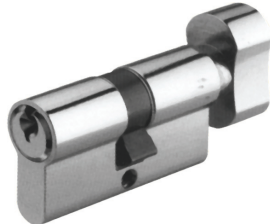
Range of quality cylinders. These cylinder offer a high degree of security and effectively protect the property in which they are used.

- Extruded solid brass body. Plug and mushroom anti-pick pins.
- Self lubricating cam from sintered steel.
- Springs made from special treated bronze for lasting tension.
- Supplied with 5 pins as standard.
- Available with 6 pins on request.
- All Cylinders supplied with 3 keys.
- Option of master keying systems to suit customer's requirements.
- Complies with DIN 18254.



**88.500**  
Double Cylinder

Standard size 60 mm  
Other lengths to order  
in 5 mm increments.



**88.501**  
Knob Cylinder

Standard size 60 mm  
Other lengths to order  
in 5 mm increments.



**88.502**  
Single Cylinder

Standard size 45mm  
Other lengths to order  
in 5 mm increments.



**88.503**  
Privacy Cylinder

Standard size  
60mm & 70mm



**88.504**  
Single Knob Cylinder



**Padlocks**  
with hardened shackle

Shackle height 28mm - **88.507A**  
Shackle height 48mm - **88.507B**  
Shackle height 64mm - **88.507C**  
Shackle height 90mm - **88.507D**



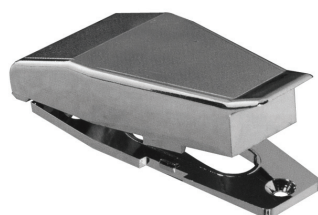
**88.506**  
Mortice Cylinder



**88.505**  
Rim Cylinder

### WEATHER PROTECTION COVERS

For protection of cylinders exposed to dust/rain



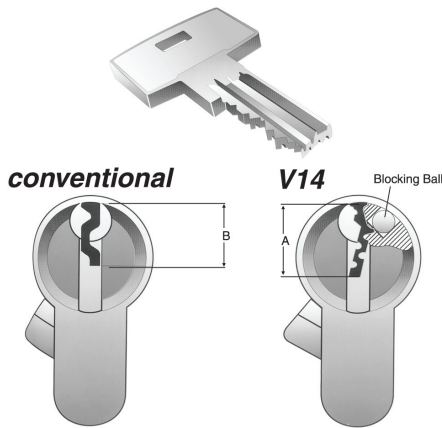
**88.901A**  
ABS Plastic - Metalized Chrome Bright



**88.901B**

### Standard Finishes:

**062** Satin Nickel  
**059** Polished Brass



### HIGH SECURITY SYSTEM

- Can be used in all SAP locking cylinders.
- Copying of key blank is nearly made impossible by extremely complicated profile
- Sensing or pick-up devices become useless due to the bent shape of the profile groove
- A specially coded rib is sensed by the blocking ball and will block the lock in case of even the slightest deviation.
- Optimum utilisation of the 14mm core diameter provides greater useful width for wards of key bit ( $A > B$ )
- Anti-drilling safeguard provided as regular feature for all cylinders

To order high security V14 system, add V to the code of cylinder type required



**BSEN 1303**



Kite marked

### HIGH SECURITY KITE MARK CYLINDER

- Wear resistant design
- Fire resistant
- Corrosion resistant
- Non duplicable keys

#### Protection against

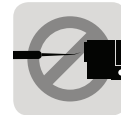
##### Drilling



##### Snapping



##### Picking



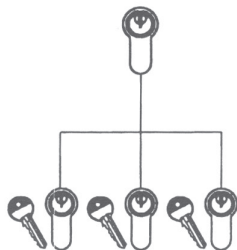
### KEYING SYSTEM

Cylinders can be supplied with various keying systems i.e.

- Central keying system for properties with common entrances.
- Master keying system.
- Grand master keying system.
- Great grand master keying system.

#### Central locking system

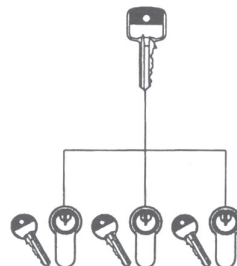
Common Entrance Door



Tenants keys

#### Master keying system

Master keys

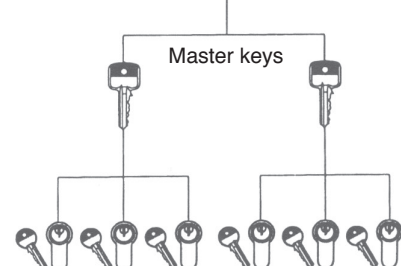


Individual keys

#### Grand master keying system

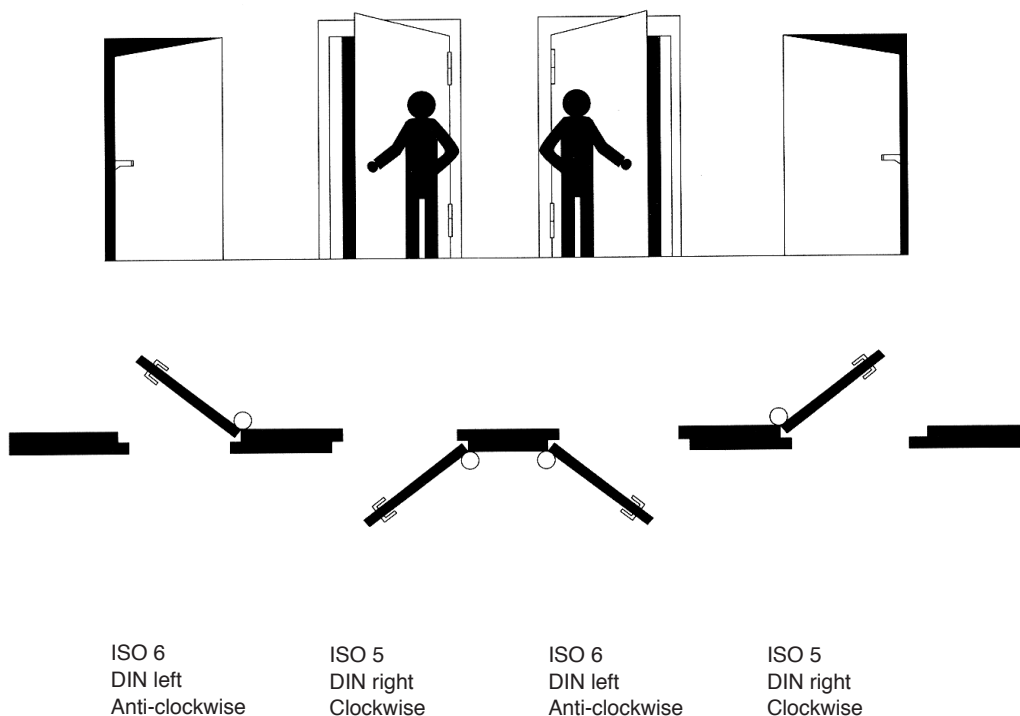
Grand Master keys

Master keys



Individual keys

The illustration given below is the nomenclature to determine handing of the fittings shown in this catalogue. We also give the ISO R1226 recommendation based on the closing direction together with a numerical symbol for the same.



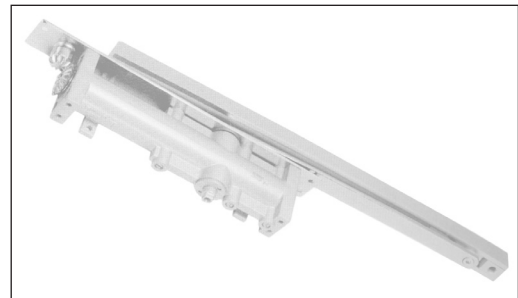
### Tip

View the door from the side on which hinge knuckle is visible. If the hinges are mounted on the left hand side of the door, the door is said to be **left hand**. Conversely if the hinges are mounted on the right hand side of the door, it is designated **right hand**.

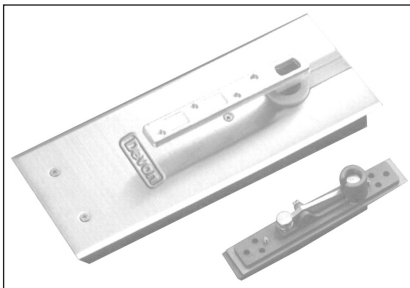


DEVON offers a choice of Architectural door closers available with a high quality, design and finish. DEVON hydraulic door closers and floor springs have successfully tested to the requirement of BS EN 1154 including for fire doors up to 240 minutes.

The choice of a complete suited product ranges from basic size 2/4, selectable to 2-5 with adjustable backcheck and delayed action. The body construction is made from extruded aluminum which gives the best starting point for bore roundness for the piston to operate for high efficiency and long working life.



DEVON Floor spring, constructed from cast iron with taper roller bearings, offer class leading load-bearing capacity for very large and heavy doors. DEVON's unique floor spring guidance system ensures that when used in double action, the door always returns to the central position even after years of use, a critical feature for fire doors. DEVON floor springs range offers load bearing capacity from standard 115 kg to 600 kg, the most heavy duty floor spring in the industry!



### Functions

#### Controlled Closing

Hydraulic control is accepted as the best means of controlling the closing speed of a mechanically operated door closer. The closing speed is controlled by regulating the return flow of oil with a control screw or similar device. A typical closing speed would be 5-7 seconds from 90° open.

#### Latching

Apart from the obvious need to close the door, it is important that the speed closing should ensure on the one hand that the door does not slam, and on the other, that it closes positively. The latching action accelerates closure through the last few degrees to overcome the resistance of a latch or seal.

#### Backcheck

The purpose of this function is to prevent the door leaf being thrown, kicked or, for external doors, blown wide open in such a manner that it damages the door leaf, door frame or adjoining walls and furniture. It is achieved by incorporating a hydraulic buffer within the door closer mechanism. The backcheck can be set to operate at a variable angle or variable resistance, or both.

#### Delayed closing

The delayed closing function allows the door leaf to remain open, for an adjustable period of time, before closing. It is used on doors frequently used by the elderly or handicapped or where trolleys and bulky goods are constantly being moved through a doorway. This function operates from 180° down to 70°. Typical delay periods of 20 seconds may be obtained between 90°-70°.

#### Mechanical hold open

This device allows the door to remain open at a pre-determined angle, usually 90°, with the same effect as a wedge under the door. It is normally achieved by incorporating a roller and cam mechanism into the armset. However it can be released only by hand. Mechanical hold open function should not be used on fire-resistant doors, because the door will remain open, if a fire should break-out.

## Size Selection Chart-BSEN 1154

### Door mass/size

Seven door mass / size grades and related door closer power sizes are identified according to BSEN 1154. Where a door closer provides a range of power sizes, both the minimum and the maximum sizes should be identified.

Door Closer Power Size	Test door mass kg	Recommended door leaf width Max. mm
1	20	750
2	40	850
3	60	950
4	80	1100
5	100	1250
6	120	1400
7	160	1600

### Note:

The door widths given are for standard installations. In the case of unusually high or heavy doors, windy or draughty conditions, or special installations, a larger power size of door closer should be used.

## FIRE DOORS

We referred above to fire door assemblies which will require self closing devices. BS EN 1154 makes recommendations as to the closing forces considered necessary for such devices fitted to fire doors.

- The door closer, when installed in accordance with the manufacturer's installation instructions, shall be capable of closing the test door from any angle to which it may be opened.
- Due to their low closing moments, door closers size 1 and 2 are not considered suitable for use on fire/smoke door assemblies. Door closers with adjustable closing force should be capable of adjustment to at least power size 3.
- The door closer should not include a hold open device unless it is an electrically powered device in accordance with EN 1155.
- Control regulators should be either concealed or operable only by means of a tool.
- The design of a door closer should be such that it is not possible to inhibit its closing action in any way without the use of a tool.
- Any incorporated delayed action function should be capable of adjustment to less than 25 seconds between the door closing angles of 120° and the end of the delay zone.
- The door closer representative of its model should have been incorporated in a door assembly that has satisfied the appropriate criteria of a fire test. The test should have been on a full sized assembly in accordance with EN 1634-1.

### Overhead Door Closer

Adjustable Spring Power 2-5



1121-CPR-AD5152

BSEN1154

Power adjustable/by spring

Tested EN 485113



86.214



with cover

#### DATA AND FEATURES

Variable closing force	Spring strength(EN)	2 to 5
Standard doors	850mm 45kg	✓
	950mm 60kg	✓
	1100mm 80kg	✓
	1250mm 110kg	✓
Body dimension	Length	236
	Width	54
	Thick	38
Arm	Standard	✓
	Parallel	optional
	Track (standard)	optional
	Track (hold-open)	optional
Rack and pinion		✓
Power shoe arm bracket		✓
Angle of opening		180°
Power adjustable by spring		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
	Hold-open arm	optional
Back-check	Adjustable by Valve	✓
Delayed action adjustable		optional
Non-handed		✓
With cover		optional
Application	Regular(1)	✓
	Parallel arm (66)	optional
	Transom (61)	✓
Guarantee/years		20 years

✓ = yes

#### Guarantee

A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

#### Power shoe arm bracket

Designed to be reversed to increase final closing power by approximately 15%

#### Back check

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

#### Delayed action

Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.

#### Standard Finishes:

086 Satin Stainless Steel

021 Silver Anodized

101 PVD

Other finishes available upon request

#### EN CLOSER

Tested to EN 485113

by Warrington APT Laboratories, UK.

Power adjustable by spring

EN Fire Tested Report No. 140220

Fire tested upto 4 hours



FM 60396

INTERNATIONAL  
STANDARDS

This product is  
manufactured under  
a quality management  
system ISO 9001.





### Overhead Door Closer

Adjustable Power 2-4 (by Position)



1121-CPR-AD5150

BSEN1154



86.217



with cover

#### DATA AND FEATURES

Variable closing force	Spring strength(EN)	2 to 4
Standard doors	850mm	45kg ✓
	950mm	60kg ✓
	1100mm	80kg ✓
Body dimensions (mm)	Length	227
	Height	60
	Projection	39
Arm	Standard	✓
	Parallel	optional
	Track (standard)	optional
	Track (hold-open)	optional
Rack and pinion		✓
Power shoe arm bracket		✓
Angle of opening		180°
Power adjustable by position		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
	Hold open arm	optional
Back-check	Self-regulating	optional
	Adjustable by Valve	optional
Delayed action adjustable		optional
Non-handed		✓
With cover		optional
Application	Regular(1)	✓
	Parallel arm (66)	optional
	Transom (61)	✓
Guarantee/years		10 years

✓ = yes

#### EN CLOSER

Tested to EN 1154 **483113**  
by Warrington APT Laboratories, UK.  
Power adjustable # 2 to # 4 by position  
EN Fire Tested Report No. 140220.  
Successfully included in fire door test to  
BS 476 : Part 22 upto 120 minutes  
chilt / RF 06060



FM 60396

INTERNATIONAL  
STANDARDS

This product is  
manufactured under  
a quality management  
system **ISO 9001**.



Guarantee	A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.
Power shoe arm bracket	Designed to be reversed to increase final closing power by approximately 15%
Back check	Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.
Delayed action	Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.

#### Standard Finishes:

**086** Satin Stainless Steel    **087** Polished Stainless Steel  
**021** Silver Anodized        **101** PVD  
Other finishes available upon request



### OVERHEAD CAM ACTION Door Closer

Tested to EN 1154 **4 8 3 1 1 3**  
by Warrington APT Laboratories, UK



**86.314**

#### DATA AND FEATURES

Variable closing force	Spring Strength (EN)	2 to 4
Standard doors	≤850mm ≤40kg	✓
	≤950mm ≤60kg	✓
	≤1100mm ≤80kg	✓
Body dimensions(mm)	Length	210
	Width	53.5
	Thick	32
Arm	Track (standard)	✓
	Track (hold-open)	✓
Angle of opening		120°
Power adjustable by spring		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
Non-handed		✓
Application	Regular (1)	O
	Transom (61)	O
Guarantee /years		10 years

✓ = yes

O = option

#### GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

#### BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

#### STANDARD FINISHES:

**002** Silver Sprayed

**011** Gold Sprayed

**017** Dark Brown Sprayed

**086** Satin Stainless Steel

**087** Polish Stainless Steel

Other finishes upon request.

### Overhead Door Closer



86.218

#### DATA AND FEATURES

Variable closing force	Spring strength(EN)	2 to 4
Standard doors	850mm	45kg ✓
	950mm	60kg ✓
	1100mm	80kg ✓
Body dimensions (mm)	Length	210
	Height	48
	Projection	45
Arm	Standard	✓
	Parallel	optional
	Track (standard)	optional
	Track (hold-open)	optional
Rack and pinion		✓
Power shoe arm bracket		✓
Angle of opening		110°
Power adjustable by position		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Built in	optional
Back-check	Self-regulating	optional
Non-handed		✓
With cover		optional
Application	Regular(1)	✓
	Parallel arm (66)	optional
	Transom (61)	✓
Guarantee/years		5 years

✓ = yes



FM 60396

#### INTERNATIONAL STANDARDS

This product is manufactured under a quality management system **ISO 9001**.

Guarantee	A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.
Power shoe arm bracket	Designed to be reversed to increase final closing power by approximately 15%
Back check	Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

#### Standard Finishes:

- 021** Silver Anodized
- 026** Dark Bronze Anodized
- 024** Gold Anodized
- Other finishes available upon request

Tested to EN 1154 

4	8	3	1	1	3
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4	8	<sup>4</sup> <sub>2</sub>	1	1	3
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by Warrington APT Laboratories, UK  
Power Adjustable #2 to #4 by Position / by Springs  
EN Fire Tested



**BSEN1154**

**86.221**

### DATA AND FEATURES

Variable closing force	Spring Strength (EN)	2 to 4
Standard doors	<850mm <40kg	✓
	<950mm <60kg	✓
	<1100mm <80kg	✓
Body dimensions(mm)	Length	220
	Height	59
	Projection	42
Arm	Standard	✓
	Parallel	O
	Track (standard)	O
	Track (hold-open)	O
Rack and pinion		✓
Power shoe arm bracket		✓
Angle of opening		180°
Power adjustable by position		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold open	Hold open arm	O
Delayed action adjustable		✓
Non-handed		✓
With cover		O
Application	Regular (1)	✓
	Parallel arm (66)	O
	Transom (61)	✓
Guarantee/years		10 years

✓ = yes

O = option

### GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

### POWER SHOE ARM BRACKET:

Designed to be reversed to increase final closing power by approximately 15%.

### BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

### Standard Finishes:

**002** Silver Sprayed

**011** Gold Sprayed

**017** Dark Brown Sprayed

Other finishes upon request.



Power Adjustable #2 to #4 by Position  
EN Fire Tested  
by Warrington APT Laboratories, UK

### DATA AND FEATURES

86.400

Variable closing force	Spring Strength (EN)	2 to 4
Standard doors	<850mm <40kg	✓
	<950mm <60kg	✓
	<1100mm <80kg	✓
Body dimensions(mm)	Length	178
	Height	42
	Projection	64
Arm	Standard	✓
	Parallel	O
	Track (standard)	O
	Track (hold-open)	O
Rack and pinion		✓
Power shoe arm bracket		✓
Angle of opening		180°
Power adjustable by position		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold open	Built in	O
	Hold open arm	O
Back-check	Adjustable at value	O
Non-handed		✓
With cover		O
Application	Regular (1)	✓
	Parallel arm (66)	O
	Transom (61)	✓
Guarantee/years		5 years

✓ = yes

O = option

#### **GUARANTEE:**

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

#### **POWER SHOE ARM BRACKET:**

Designed to be reversed to increase final closing power by approximately 15%.

#### **BACK CHECK:**

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

#### **Standard Finishes:**

**002** Silver Sprayed

**011** Gold Sprayed

**017** Dark Brown Sprayed

Other finishes upon request.

### Overhead Door Closer

Adjustable Power 2-4 (by Position)



86.404



with cover

#### DATA AND FEATURES

Variable closing force	Spring strength(EN)	2 to 4
Standard doors	≤850mm	≤40kg ✓
	≤950mm	≤60kg ✓
	≤1100mm	≤80kg ✓
	≤1250mm	≤100kg x
Body dimensions (mm)	Length	207
	Height	55
	Projection	40
Arm	Standard	✓
	Parallel	optional
	Track (standard)	optional
	Track (hold-open)	optional
Rack and pinion		✓
Power shoe arm bracket		✓
Angle of opening		180°
Power adjustable by Spring		x
Power adjustable by position		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Built in	optional
	Hold open arm	optional
Back-check	Self-regulating	optional
	Adjustable at Valve	x
Delayed action adjustable		x
Non-handed		✓
With cover		optional
Application	Regular(1)	✓
	Parallel arm (66)	optional
	Transom (61)	✓
Guarantee/years		5 years

✓ = yes    x = no



Guarantee	A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.
Power shoe arm bracket	Designed to be reversed to increase final closing power by approximately 15%
Back check	Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

#### Standard Finishes:

086 Satin Stainless Steel    087 Polished Stainless Steel  
021 Silver Anodized    101 PVD  
Other finishes available upon request

### ELECTRO-MAGNETIC DOOR CLOSERS WITH MAGNETIC ADJUSTABLE ARM, AVAILABLE WITH A CHOICE OF 3 DIFFERENT SLIDE COVERS

The Devon E-mag range is suitable for use where low opening forces are required, such as care homes, hospitals or where the Equality Act is a consideration. These door closers offer hold open fixed power size 4 which, when fitted, allows the door to be opened with no resistance (Free Swing) from the door closer. However, when the buildings fire alarm is activated, power is cut to the unit and the closer then shuts the door.

All the Devon of E-mags are supplied with an adaptor which allows easy conversion from hold open to swing free mode.

The door closer offers the choice of three different slider covers, each with a matching adjustable arm and the unique cam and roller action, and both have a plug in power loop for ease of fitting. Longer power loops are available as an optional extra.

All closers offer universal fitting and are supplied with brackets for fig 1, fig 61 and fig 66 fixing

BSEN1155



DATA AND FEATURES		
Closing force	EN Size	4
Door size(Max)	Width (mm)	1100
	Weight (KG)	60
Application	Fig 1	✓
	Fig 6	✓
	Fig 66	✓
Mechanism	Rack & Pinion	x
	Cam & Roller	✓
With cover		x
Power shoe bracket		✓
Angle of opening		160°
Non handed		✓
Power adjustment	By spring	x
	By template	x
Adjustable sweep speed		✓
Adjustable latching speed		✓
Adjustable backcheck		x
Adjustable delayed action		x
Dual power		x
CE Marked		✓
Certifire approved		✓
Gurantee		2 years
Options		
Slide covers	E	✓
	B	✓
	L	✓
Cover	Radius	x
	Square	x
Extended loop	650mm	✓
Finishes	Sliver, PAL,PAA,SAA,SS,PS	



#### GURANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

#### POWER SHOE ARM BRACKET:

Designed to be reversed to increase final closing power by approximately 15%.

#### STANDARD FINISHES:

**002** Silver Sprayed

**011** Gold Sprayed

**017** Dark Brown Sprayed

Other finishes upon request.

### ELECTRO-HYDRAULIC DOOR CLOSERS WITH COVER & MATCHING ADJUSTABLE ARM

The Devon E-mag range is suitable for use where no opening force is required, such as care homes, hospitals or where the Equality Act is a consideration. The closer offer a hold open fixed power size 4 which, when fitted in swing free mode, allows the door to be opened with no resistance from the closer. However, when the buildings fire alarm is activated, power is cut to the unit and the closer then shuts the door.

The Devon of E-mag closers are supplied with an adaptor which allows easy conversion from hold open to swing free mode.

Both options offer the choice of either a radius or square cover with matching adjustable arms, each utilising the unique high efficiency cam and roller action, and both have a plug in power loop for ease of fitting. Longer power loops are available as an optional extra. All closers offer universal fitting and are supplied with brackets for fig 1, fig 61 and fig 66 fixing

BSEN1155



DATA AND FEATURES		
Closing force	EN Size	4
Door size(Max)	Width (mm)	1100
	Weight (KG)	60
Application	Fig 1	✓
	Fig 6	✓
	Fig 66	✓
Mechanism	Rack & Pinion	x
	Cam & Roller	✓
With cover		✓
Power shoe bracket		✓
Angle of opening		160°
Non handed		✓
Power adjustment	By spring	x
	By template	x
Adjustable sweep speed		✓
Adjustable latching speed		✓
Adjustable backcheck		x
Adjustable delayed action		x
Dual power		x
CE Marked		✓
Certifire approved		✓
Gurantee		2 years
<b>Options</b>		
Slide covers	E	x
	B	x
	L	x
Cover	Radius	✓
	Square	✓
Extended loop	650mm	✓
Finishes	Sliver, PAL,PAA,SAA,SS,PS	



#### GURANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

#### STANDARD FINISHES:

**002** Silver Sprayed

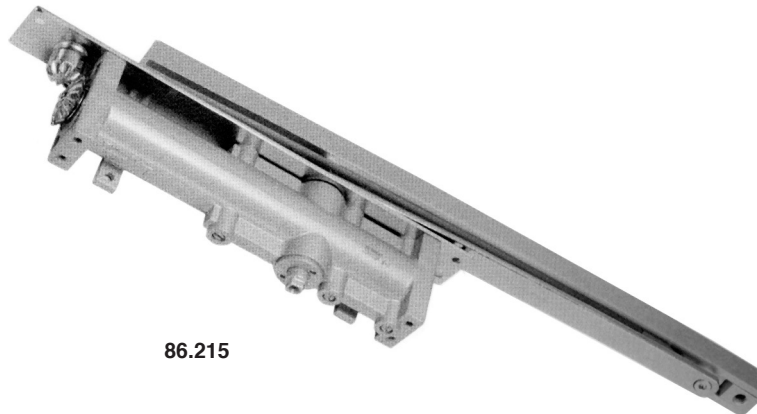
**011** Gold Sprayed

**017** Dark Brown Sprayed

Other finishes upon request.

### Overhead Concealed Door Closer

Adjustable Spring Power 2-5



86.215

Adjustable Spring  
#2 to #5

#### DATA AND FEATURES

Variable closing force	Spring strength(EN)	2 to 5
Standard doors	850mm 45kg	✓
	950mm 60kg	✓
	1100mm 80kg	✓
Body dimension	Length	225
	Width	61
	Thick	37
Arm	Track (standard)	✓
	Track (hold-open)	✓
Rack and pinion		✓
Angle of opening		120°
Power adjustable by spring		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Without hold-open	✓
	Hold-open track arm	✓
Back-check	Adjustable by Valve	✓
Non-handed		✓
Guarantee/years		10 years

✓ = yes

**EN CLOSER** **485113**

Tested to EN  
by Warrington APT Laboratories, UK  
to 60 minutes. Report No. WF  
147214



**FM 60396**

**INTERNATIONAL  
STANDARDS**

This product is  
manufactured under  
a quality management  
system **ISO 9001**.



#### Guarantee

A free replacement ex-works of any closer proved defective by reason  
either of faulty manufacture or defect in materials.

#### Power shoe arm bracket

Designed to be reversed to increase final closing power by approximately 15%

#### Back check

Provides a cushioning effect when the door is forcibly thrown open but  
does not serve as substitute for a door stop.

#### Delayed action

Provides prolonged closing time to assist passage of trolleys, wheel chairs,  
elderly people etc.

#### Standard Finishes:

**062** Satin Nickel

**063** Polished Chrome

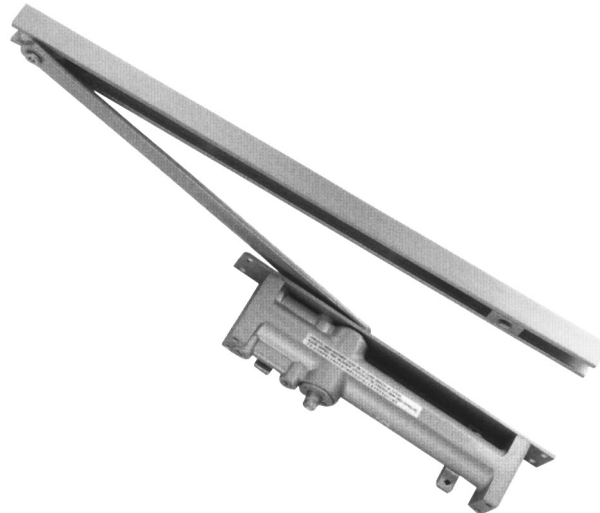
**021** Silver Anodized

**101** PVD

Other finishes available upon request



### Overhead Concealed Door Closer with track arm - Spring Power 3



86.216



FM 60396

INTERNATIONAL  
STANDARDS

This product is  
manufactured under  
a quality management  
system **ISO 9001**.

#### DATA AND FEATURES

Closing force	Spring strength(EN)	3
Standard doors	950mm 60kg	✓
Body dimension	Length	230
	Width	56
	Thick	32
Arm	Track (standard)	✓
	Track (hold-open)	✓
Rack and pinion		✓
Angle of opening		120°
Sweep speed adjustable		✓
Latching speed adjustable		✓
Non-handed		✓
Guarantee/years		10 years

✓ = yes

Guarantee

A free replacement ex-works of any closer proved defective by reason  
either of faulty manufacture or defect in materials.

#### Standard Finishes:

**062** Satin Nickel

**063** Polished Chrome

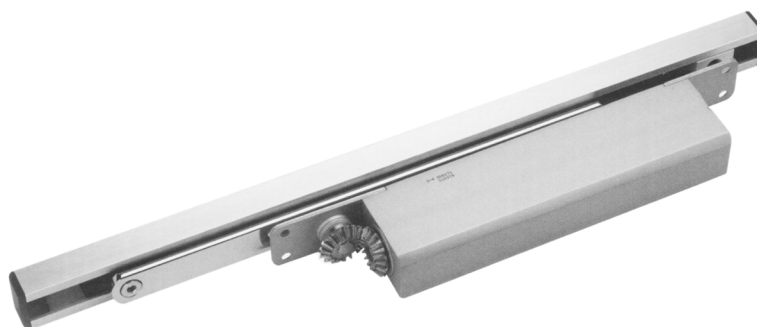
**021** Silver Anodized

**101** PVD

Other finishes available upon request

### CAM ACTION Concealed Door Closer

Tested to EN 1154 **4 8 3 1 1 3**  
by Warrington APT Laboratories, UK



86.315

#### DATA AND FEATURES

Variable closing force	Spring Strength (EN)	2 to 4
Standard doors	≤850mm ≤40kg	✓
	≤950mm ≤60kg	✓
	≤1100mm ≤80kg	✓
Body dimensions(mm)	Length	210
	Width	53.5
	Thick	32
Arm	Track (standard)	✓
	Track (hold-open)	✓
Double action		✓
Angle of opening		120°
Power adjustable by spring		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
Non-handed		✓
Guarantee /years		10 years

✓ = yes

O = option

#### GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

#### BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

#### STANDARD FINISHES:

002 Silver Sprayed

011 Gold Sprayed

017 Dark Brown Sprayed

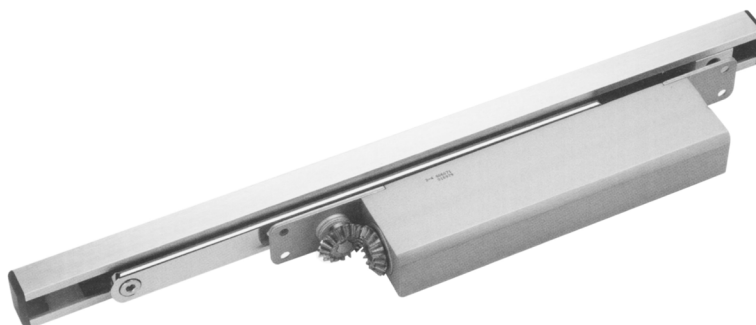
Other finishes upon request.

### CAM ACTION Concealed Door Closer

Tested to EN 1154 

3	8	5	1	1	3
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by Warrington APT Laboratories, UK



86.316

#### DATA AND FEATURES

Variable closing force	Spring Strength (EN)	2 to 5
Standard doors	<850mm <40kg	✓
	<950mm <60kg	✓
	<1100mm <80kg	✓
	<1250mm <100kg	✓
Body dimensions(mm)	Length	212
	Width	60
	Thick	40
Arm	Track (standard)	✓
	Track (hold-open)	✓
Double action		O
Angle of opening		120°
Power adjustable by spring		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
Non-handed		✓
Application	Track arm	✓
	Transom (61)	O
Guarantee /years		10 years

✓ = yes

O = option

#### GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

#### BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

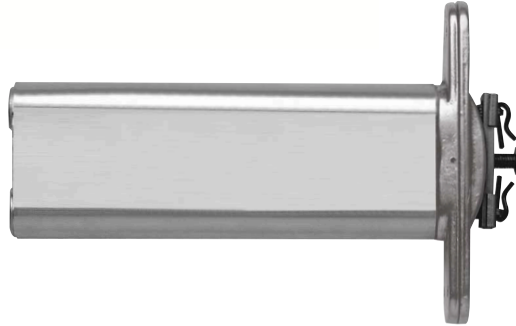
#### STANDARD FINISHES:

002 Silver Sprayed

011 Gold Sprayed

017 Dark Brown Sprayed

Other finishes upon request.

**Adjustable Speed  
Hydraulic Jamb Closer****86.500.86****Features**

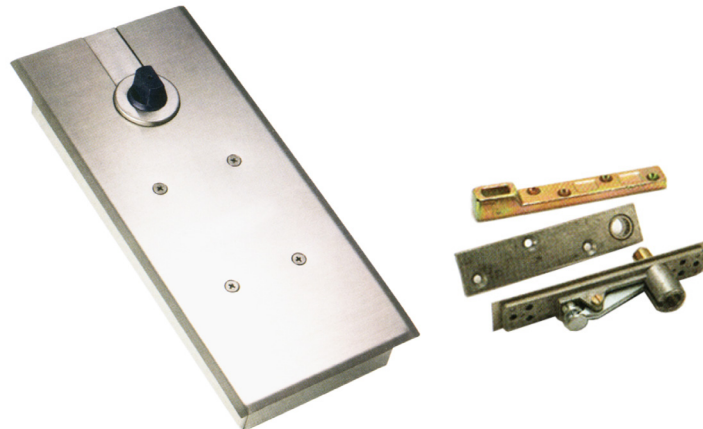
- Adjustable Speed
- Adjustable Latch
- Suitable for door upto 940 mm width
- Suitable for door upto 80 Kg weight
- BSEN 9001
- Tested to 500,000 Frequency

**GUARANTEE:**

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

**FINISH:**

**086** Satin Stainless Steel



86.262

### DATA AND FEATURES

Variable closing force	Spring Strength (EN)	2 to 4
Standard doors	≤850mm ≤70kg	✓
	≤950mm ≤105kg	✓
	≤1100mm ≤150kg	✓
Body dimensions(mm)	Length	276
	Width	108
	Thick	40
Arm	Standard	✓
	Offset arm	O
Cam action		✓
Angle of opening		130°
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold open	without hold-open	O
	at 90° hold-open	✓
	at 105° hold-open	O
Non-handed		✓
Guarantee/years		5 years

✓ = yes

O = option

- Supplied with Double Action Accessories as Standard.
- Offset Pivots or Single Action Accessories available as option at extra cost.

### GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

### COVER PLATE FINISHES:

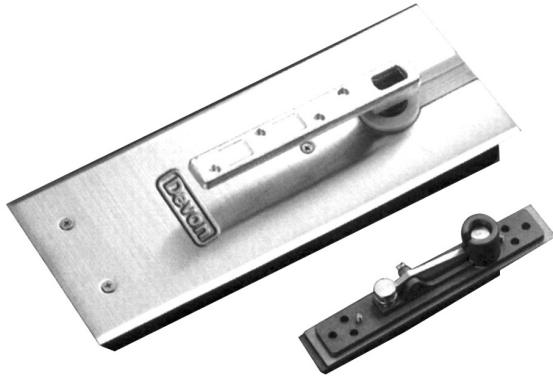
**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request

### FLOOR SPRING

For double action or single action application



86.260



Fire Tested to BS1634-1:2000  
for 4 Hours by  
Exova Warrington-WF157438

#### FUNCTIONS

- Adjustable Closing: & Latching Speed.
- Two non-critical valves provide dual speed hydraulic closing (closing from 130° - 15°, latching from 15° - 0°)
- Maximum door opening angle of 130°.
- Built-in cushioned stop from approx. 85°.
- If adjacent structures interfere with maximum degree of door opening, an auxiliary doorstop should be installed.
- Mechanical hold-open at 90° (Optional at 150°)
- Body dimensions 306 mm long x 108 mm wide x 40 mm high.
- Closer mechanism adjustment in loose box for

Length 9mm	width 10mm	Height 4mm
------------	------------	------------

Available in Light, Medium & Heavy closing force.

Spring	Closing force max.	Door width
Light	20 Nm (14.8 ft - lbs)	850 mm (33.5")
Medium	27 Nm (13.7 ft - lbs)	950 mm (37.4")
Heavy	37 Nm (28 ft - lbs)	1100mm(43.3")

Note: • The listed door widths & recommended closer sizes are applicable to average conditions. In case of a tall heavy door or where doors are subject to wind or draft condition, the next larger closer size should be selected.

- Accommodates doors up to a maximum weight of 150 kgs.

#### Cover Plate Finishes:

086 Satin Stainless Steel

087 Polished Stainless Steel

101 PVD

Other finishes available upon request

#### CONSTRUCTION & TECHNICAL DETAILS

- One unit for both single & double action doors.
- High grade cast iron mechanism body is housed within a galvanized steel loose box which is zinc protected & painted for corrosion resistance.
- Internal mechanism components utilizing heat-treated high alloy steels & ball bearing for optimum efficiency.
- Stable hydraulic fluid for any climatic operation & constant lubrication.
- Suitable for timber, metal & tempered glass doors.
- Built-in pressure relief valve protects the closer from rough use.
- Closer mechanism totally immersed in hydraulic fluid

#### WARRANTY

The Floor Spring is guaranteed for 10 years from date of manufacture against any defects in material or workmanship

Defective product will be replaced with new unit but no claims for damage incurred or work done thereon will be allowed.

This guarantee is void if the product has been subjected to misapplication or abuse.

#### Standard Package

Floor mounted door closer complete with flat-conical spindle, cement box, s/steel cover plate, double action pivots and fixing instructions.

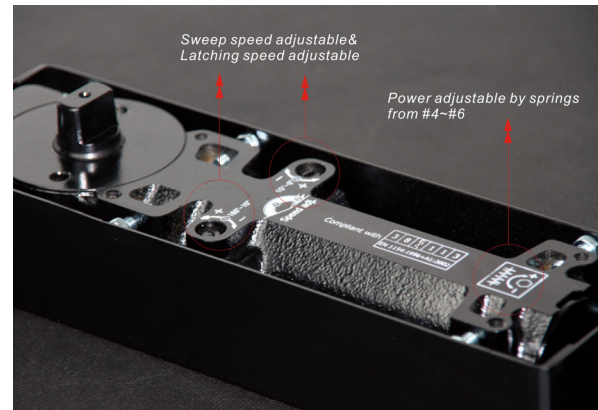
#### Optional Accessories

- Single Action Pivots

### FLOOR SPRING

For double action or single action application

- SUITABLE DOOR WEIGHT MAX. 300KG
- POWER ADJUSTABLE BY SPRING FROM #4~#6
- NARROW DESIGN
- SUITABLE DOOR WIDTH 1.10 M~ 1.45M
- 10 YEARS GUARANTEE



86.261

### DATA AND FEATURES

Variable closing force	Spring Strength (EN)	4 to 6
Standard doors #4	<1100mm <300kg	950
Standard doors #5	<1250mm <300kg	950
Standard doors #6	<1450mm <300kg	950
Body dimensions(mm)	Length	323
	Width	94
	Thick	62
Arm	Standard	✓
	Offset Arm	O
Cam action		✓
Angle of opening		150°
Power adjustable by spring from #4~#6		✓
Sweep speed adjustable		✓
Latching speed adjustable		✓
Hold-open	Without hold-open	O
	at 90° hole-open	✓
	at 105° hole-open	O
Non-handed		✓
Guarantee/years		10 years

= yes

O = option

- Supplied with Double Action Accessories as Standard.
- Offset Pivots or Single Action Accessories available as option at extra cost.

### GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

### Cover Plate Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 101 PVD
- Other finishes available upon request

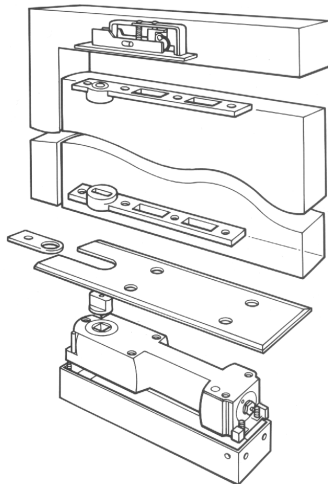
### Heavy Duty Floor Springs

For double action or single action application

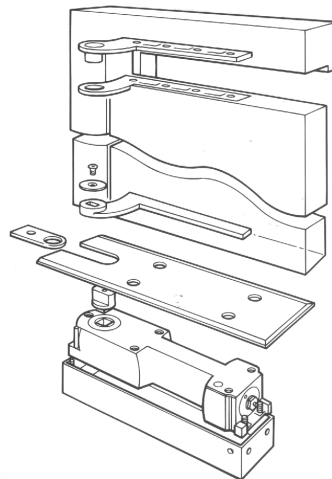


#### Maximum door weight up to 600 Kg

- Tested to BS EN 1154.
- Adjustable power, EN sizes 1 - 4.
- 180° opening in either direction.
- Range of double & single action accessories.
- Variable intensity back check at 90°.
- Cast iron body.
- For doors up to 1400 mm wide & 600 kg. (double action)
- Ten year guarantee.



Double Action Application



Single Action Application

#### Standard Finishes:

- 059** Polished Brass
- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

#### Ordering Codes

Heavy duty floor spring, size Adj. 1 - 4, double action accessories, non hold open, suitable for doors up to 400 Kg.

**86.260HD**

Heavy duty floor spring, size Adj. 1 - 4, double action accessories, hold open, suitable for doors up to 400 Kg.

**86.260HDSO**

Heavy duty floor spring, size Adj. 1 - 4, double action accessories, hold open, suitable for doors up to 600 Kg.

**86.260XHD**

Heavy duty floor spring, size Adj. 1 - 4, single action accessories, non hold open, suitable for doors up to 400 Kg.

**86.260HDSA**

Heavy duty floor spring, size Adj. 1 - 4, single action accessories, hold open, suitable for doors up to 400 Kg.

**86.260HDSASO**



### ELECTRO-MAGNETIC FLOOR SPRING COMPLETE WITH FITTINGS

The Devon E-mag floor spring fits discreetly into the floor, giving better resistance to interference and vandalism and is suitable for use where low opening forces are required, such as care homes, hospitals or where the Equality Act is a consideration. It is a fixed power size 4 which, when fitted, is in hold open/swing free mode, allowing the door to be opened with no resistance from the floor spring. However, when the buildings fire alarm is activated, power is cut to the floor spring and the unit then closes the door.

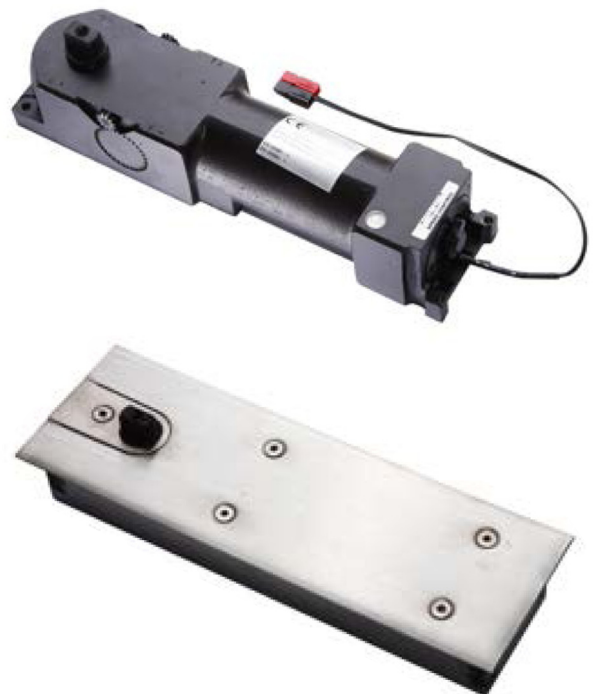
Available in both single and double action, the floor spring can be supplied complete, or mechanism only when being used as a replacement.

Optional extras include extra height spindles, 200° cam and gel infill for improved water resistance. The cover plate is available in a choice of three plated finishes.

BSEN1155



DATA AND FEATURES		
Closing force	EN Size	4
Door size(Max)	Width (mm)	1100
	Weight (KG)	400
Mechanism	Rack and pinion	x
	Double cam	✓
Angle of opening		160°
Non handed		✓
Power adjustment	By spring	x
	By template	x
Action availability	Single	✓
	Double	✓
Adjustable sweep speed		✓
Backcheck		✓
Heavy duty backcheck		x
Adjustable delayed action		x
Hold open	80° - 180°	✓
CE Marked		✓
Certifire approved		✓
Guarantee		2 yrs
<b>Options</b>		
Single action accessories		✓
Double action accessories		✓
Spindle extensions		✓
200° cam for single action doors requiring controlled closing from 180°		✓
Get infill for improved water resistance		✓
Mechanism & box only		✓
Finishes	SS, PS, PB	



86.801

#### GURANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

#### STANDARD FINISHES:

**086** Stainless steel

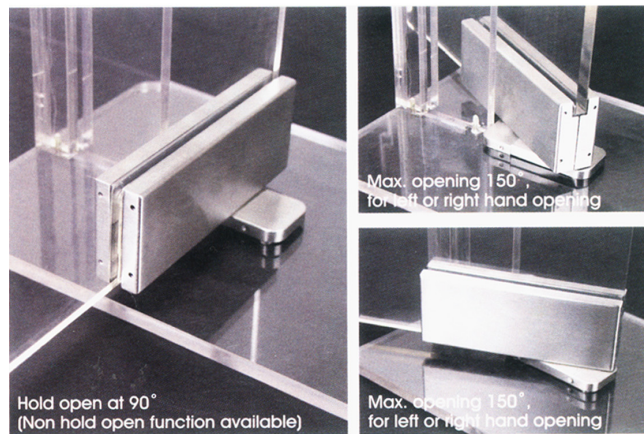
**087** Polished stainless steel

**059** Polished brass

Other finishes upon request.

### Patch Floor Spring

- Suitable door weight: Max 100kg
- Suitable door width: 750 ~ 1000mm
- Suitable door thickness 8 ~ 13mm
- Ambient temperature: -20° C ~ +50° C
- Quick and easy installation
- Compliant with EN1154



66.606



### DATA AND FEATURES

Suitable door width	door weight	
750 ~ 1000mm	≤100kg	✓
Body dimensions(mm)	Length	186
	Width	68
	Thick	36
Angle of opening		150°
Closing speed adjustable		✓
Braking speed adjustable		✓
Hold open	Without hold-open	O
	Hold open at 90°	✓
Non-handed		✓
Guarantee/years		5 years

✓ = yes

O = option

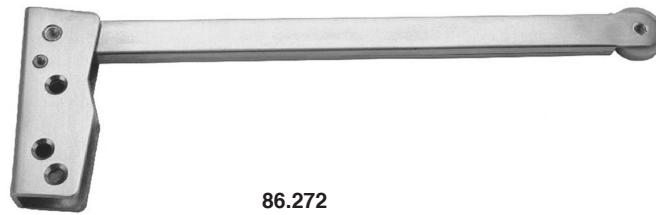
#### **GUARANTEE:**

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

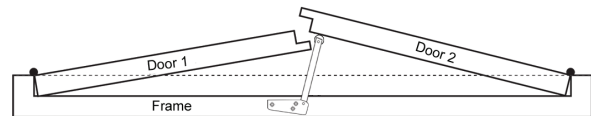
#### **FINISH:**

- 086** Satin Stainless Steel
- 087** Polish Stainless Steel

### Door Coordinator



86.272



- Closes the rebated door-leaves of double-leaf door-sets in correct sequence.
- Suitable for both left-and right-hung door-leaves.

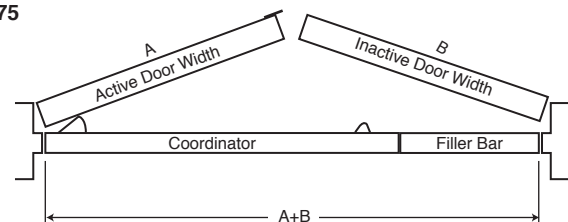
#### Standard Finish:

086 Satin Stainless Steel

### Door Coordinator



86.275



- Closes the rebated door-leaves of double-leaf door-sets in correct sequence.
- Soffit applied coordinator.
- Non-Handed for easy ordering and installation.
- Adjustable for various closing speeds and different door weights.
- Manufactured with an over-ride feature to prevent damage to doors and hinges.
- Engineered to function in high-frequency areas with minimum maintenance.
- Fillers are factory cut and supplied with the coordinator to extend the width of the frame.

Type mm	Unit lengths mm	Door opening widths mm
A	813	864 - 1092
B	1067	1118 - 1346
C	1321	1372 - 2438
D	1524	2464 - 2845

#### Standard Finish:

021 Silver Anodized

### Electromagnetic door holders

The function of an electromagnetic door holder is to hold open fire doors fitted with a standard door closer when linked to a fire alarm system. Electromagnet door holders release the door allowing it to close by door closer upon activation of fire alarm system.

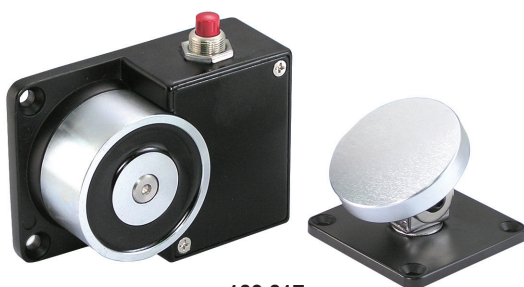


**100.018**  
Floor mounted  
electromagnetic door holder

- Voltage : 24V DC (12V DC optional)
- Power consumption : 60mA @ 24V DC  
125mA @ 12V DC
- Armature : Adjustable to suit door position.
- Push button to release the door manually.
- UL listed.

#### Standard Finish:

**052** Black Powder Coated



**100.017**  
Wall mounted  
electromagnetic door holder

- Voltage : 24V DC (12V DC optional)
- Power consumption : 60mA @ 24V DC  
125mA @ 12V DC
- Armature : Adjustable to suit door position.
- Push button to release the door manually.

#### Standard Finish:

**052** Black Powder Coated



**100.019**  
Wall Flush mounted  
electromagnetic door holder

- Voltage : 24V DC (12V DC optional)
- Power consumption : 60mA @ 24V DC  
125mA @ 12V DC
- Armature : Adjustable to suit door position.
- Push button to release the door manually.
- UL listed.

#### Standard Finish:

**086** Satin Stainless Steel



**100.020**  
Wall surface mounted  
electromagnetic door holder

- Voltage : 24V DC (12V DC optional)
- Power consumption : 60mA @ 24V DC  
125mA @ 12V DC
- Armature : Adjustable to suit door position.
- UL listed.

#### Standard Finish:

**086** Satin Stainless Steel



The Panic exit hardware is designed to provide a means of escape at all times by the simple act of pushing a bar fitted across the full width of the door or depressing a pad attached at the operating body.

The panic hardware series carries the CE mark and that products have been tested and accessed independently to the very latest European standards EN 1125 and EN 179.

### A choice of finishes

All exit devices and outside access devices are available in a wide range of finishes:

#### Standard finishes:



Silver  
(RAL 9022)



Black



White

#### Plated finishes available:



Stainless  
steel effect



Brass effect

#### Popular RAL colours available:



Pure white  
9010



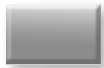
Ultra marine  
blue  
5002



Ruby red  
3003



Traffic yellow  
1023



Agate grey  
7038



Mint green  
6029



Ivory  
1014



Jet black  
9005



Olive  
brown  
8008



Black green  
6012



Wine red  
3007



Steel blue  
5011



Fir green  
6009



Anthracite  
grey  
7016



Gold



### Rim Panic Bolt

The panic bolt is designed for single and double door application. pressing the bar give immediate exit in emergency situations.

- Two point Locking
- Fire rated for use on timber and steel doors
- Standard size suitable for door up to 1220mm wide and 2440mm high. Special sizes available on request.
- Non Handed
- Certifies to BS EN 1125:2008



**90.502**

#### Finishes:

- 002** Silver (RAL 9022) - Standard
- 086** Stainless Steel Plated
- 059** Brass plated

Other finishes available upon request

#### Options

- Adjustable shoots
- Steel door fixing
- Microswitch
- Exit Alarm
- Pullman latch kit

### Outside Access Devices



**90.515**

- Give access by key when locked
- When unlocked door can be opened by lever
- Accept Euro profile cylinder



### Rim Panic latch



The panic latch is designed for single door application. Pressing the bar give immediate exit in emergency situations.



- Single point Locking
- Fire rated for use on timber and steel doors
- Standard size suitable for door up to 1220mm wide and 2440mm high. Special sizes available on request.
- Non Handed
- Certifies to BS EN 1125:2008



### Outside Access Devices



90.515

#### Finishes:

**002** Silver (RAL 9022) - Standard

**086** Stainless Steel Plated

**059** Brass plated

Other finishes available upon request

#### Options

- Steel door fixing
- Microswitch

- Give access by key when locked
- When unlocked door can be opened by lever
- Accept Euro profile cylinder



### Single Door High Security Exit Device

The device is a surface mounted panic bolt for outward opening single door applications. It is ideally suited to very high security applications, where panic escape is a consideration. Incorporated as standard is an automatic top trip mechanism. The main body is constructed from a mixture of steel and stainless steel, with steel being used for the internal components and bolts. There is also an anti-thrust mechanism in the bottom bolt and the latch bolt.

- Non-handed
- Surface mounted
- Adjustable top and bottom bolts
- 30mm bolt throw
- Anti-thrust latch bolt and bottom bolt to prevent physical attack
- Steel and timber door versions available



376B1322AA



**90.520.01**

**90.520.02**

**90.520.03**

**90.520.04**

One point locking  
Two point locking  
Three point locking  
Four point locking

#### Finishes:

**002** Silver (RAL 9022) - Standard

**086** Stainless Steel Plated

**059** Brass plated

Other finishes available upon request

#### Features

- Non-handed
- Meets the dimensional requirements of BS8300 and approved Document "M" (Equality Act)
- Suitable for high security applications
- Surface mounted on the outside of the door using concealed machine screws
- Available with or without cylinder
- When ordered with the cylinder, three keys are supplied as standard
- Supplied as standard for doors up to 45mm thick
- Longer spindles available on request for door thicknesses over 45mm

### Outside Access Devices



**90.517**

- Give access by key when locked
- When unlocked door can be opened by lever
- Accept Euro profile cylinder

### Double Door High Security Exit Device

The device is for rebated double doors is a complete package offering high security and incorporates the new horizontal locking mechanism. This allows the unit to be certified to EN1125:2008 and it is suitable for double door applications where a high level of security is a consideration. The main body is constructed from a mixture of steel and stainless steel with steel being used for the internal components and bolts. There is also an anti-thrust mechanism in the latch bolt and the horizontal bolts, increasing the products resistance to attack.



- CE Marked
- Available in RAL 7016, stainless steel effect and solid stainless steel
- Non-handed
- Surface mounted
- Adjustable top and bottom bolts
- 30mm bolt throw
- Anti-thrust bottom bolts to prevent physical attack



### Outside Access Devices



**90.517**

- A choice of outside access devices
- Mechanical locking box for increased security
- Microswitch version (suffix 'MS' after the product code)

**90.522.03**

**90.522.04**

**90.522.05**

**90.522.07**

Three point locking  
Four point locking  
Five point locking  
Seven point locking

#### Finishes:

**002** Silver (RAL 9022) - Standard

**086** Stainless Steel Plated

**059** Brass plated

Other finishes available upon request

#### Features

- Non-handed
- Meets the dimensional requirements of BS8300 and approved Document "M" (Equality Act)
- Suitable for high security applications
- Surface mounted on the outside of the door using concealed machine screws
- Available with or without cylinder
- When ordered with the cylinder, three keys are supplied as standard
- Supplied as standard for doors up to 45mm thick
- Longer spindles available on request for door thicknesses over 45mm

**Rim Touch Panic Latch****Features:**

- Non-Handed
- Optional dogging
- Security Anti-thrust latch
- Fire rated to UL 10C
- Supplied in length 1045 mm  
Can be cut on site up to 610 mm to suit door width.
- Supplied to suit door thinness 50 mm.  
Optional extended spindle and bolts for thickness 50-105 mm

**90.202.04****Finishes:**

- 086** : Satin Stainless Steel
- 087** : Polished Stainless Steel
- 002** : Silver Painted Steel

**UL Listed R38094**  
**BHMA ANSI Grade 1**  
**ANSI 156.3**  
**UL305, UL10C**

**90.003.04** Optional outside access device

### Rim Touch Panic Bolt



#### Features:

- Non-Handed
- Optional dogging
- Fire rated to UL 10C
- Supplied in length 1045 mm.  
Can be cut on site up to 610 mm to suit door width.
- Supplied to suit door thickness 50 mm.  
Optional extended spindle and bolts for door thickness 50-105 mm
- To suit door height 2133 mm  
Optional to suit door height 3200 mm



#### Finishes:

- 086** : Satin Stainless Steel
- 087** : Polished Stainless Steel
- 002** : Silver Painted Steel

90.204.04

UL Listed R38094  
BHMA ANSI Grade 1  
ANSI 156.3  
UL305, UL10C



**90.003.04** Optional outside access device

### Rim Touch Panic Latch



#### Features:

- Non-handed
- Optional dogging
- Security Anti-thrust latch
- Fire rated to UL 10C
- Supplied in length 1045 mm
- Can be cut on site up to 610 mm to suit door width
- Supplied to suit door thickness 50 mm.
- Optional extended spindle and bolts for thickness 50-105 mm



90.001.04

#### Finishes:

- 086 : Satin Stainless Steel
- 087 : Polished Stainless Steel
- 002 : Silver Painted Steel

UL Listed R38094  
BHMA ANSI Grade 1  
ANSI 156.3  
UL305, UL10C



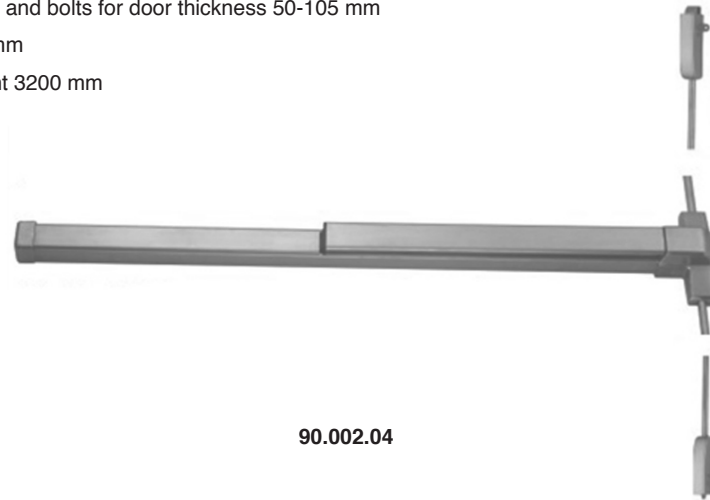
90.003.04 - Optional outside access device

### Rim Touch Panic Bolt



#### Features:

- Non-handed
- Optional dogging
- Fire rated to UL 10C
- Supplied in length 1045 mm  
Can be cut on site up to 610 mm to suit door width.
- Supplied to suit door thickness 50 mm.  
Optional extended spindle and bolts for door thickness 50-105 mm
- To suit door height 2133 mm  
Optional to suit door height 3200 mm



90.002.04

#### Finishes:

- 086 : Satin Stainless Steel
- 087 : Polished Stainless Steel
- 002 : Silver Painted Steel

UL Listed R38094  
BHMA ANSI Grade 1  
ANSI 156.3  
UL305, UL10C



90.003.04 • Optional outside access device



Item Code	Width	Thickness	C/C
50.1003.128.86	15	15	128
50.1003.160.86	15	15	160



Item Code	Width	Thickness	C/C
50.1001.128.86	20	10	128
50.1001.160.86	20	10	160



Item Code	Dia	C/C
50.1002.128.86	12	128
50.1002.192.86	12	192



Item Code	Width	C/C	Length
50.1005.160.86	12	96	160
50.1005.192.86	12	128	192
50.1005.224.86	12	160	224
50.1005.256.86	12	192	256
50.1005.288.86	12	224	288



Item Code	Dia	C/C
50.1006.96.86	10	96
50.1006.128.86	10	128



Item Code	Width	C/C
50.1007.128.86	10	128
50.1007.160.86	10	160
50.1007.192.86	10	192
50.1007.224.86	10	224



Item Code	Dia	Height
50.2001.15.86	15	25
50.2001.18.86	18	25
50.2001.25.86	25	30



Item Code	Dia	Height
50.2002.25.86	25	21
50.2002.30.86	30	25

### Standard Finishes:

**086** Satin Stainless Steel      **087** Polished Stainless Steel  
Other finishes available upon request.



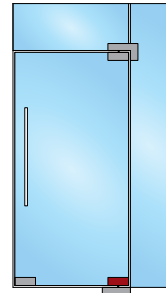
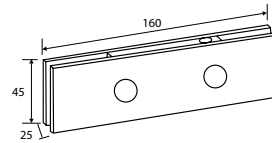
**66.7001**

### Bottom Patch

- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point of 55/65mm
- Stainless Steel Grade 304

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



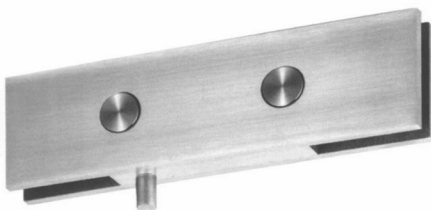
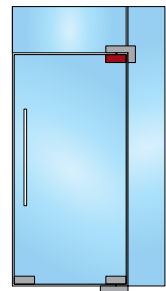
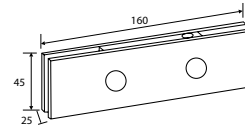
**66.7002**

### Top Patch

- Pivot hole diameter 10mm
- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point of 55/65mm
- Stainless Steel Grade 304

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



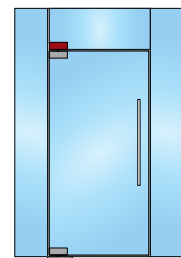
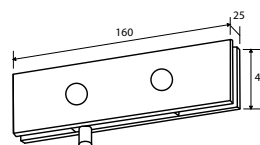
**66.7003**

### Transom patch fitting

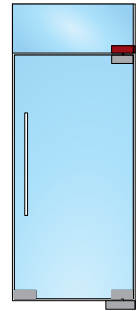
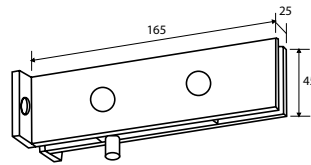
- Pivot hole diameter 10mm
- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point of 55/65mm
- Stainless Steel Grade 304

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel







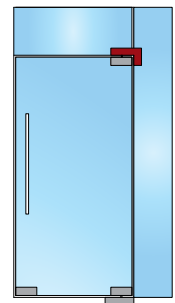
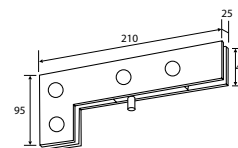
**66.7004**

**Over Panel Patch For Wall Mounting**

- With pivot pin 10mm diameter
- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point 55/6mm
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



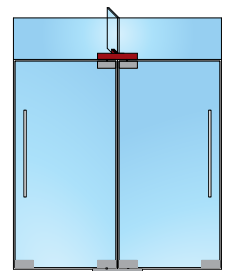
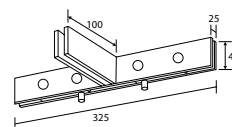
**66.7005**

**Over Panel & Side Panel Patch**

- With pivot pin 10mm diameter to suit OSSPF-2
- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point of 55/65mm
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



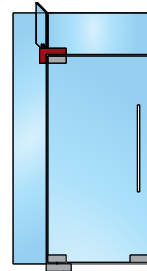
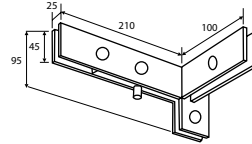
**66.7007**

**Over Panel Patch For Back To Back Doors**

- With pivot pins of 10mm diameter
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



View from outside with Fin on the inside

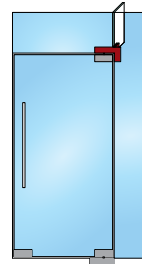
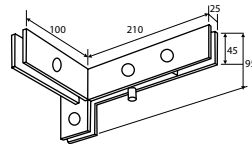
**66.7008L**

### Over Panel Side Panel Connector With Fin

- To hold left handed fin
- Handing policy to be determined by looking from outside of the structure.
- With pivot pin of 10mm diameter
- Stainless Steel Grade 304

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



View from outside with Fin on the inside

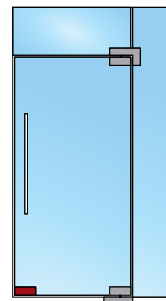
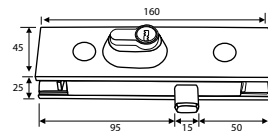
**66.7008R**

### Over Panel Side Panel Connector With Fin

- To hold right handed fin
- Handing policy to be determined by looking from outside of the structure.
- With pivot pin of 10mm diameter
- Stainless Steel Grade 304

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



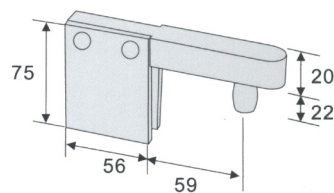
**66.7009**

### Stainless Steel Patch Lock

- Reversible lock
- Provided with euro profile cylind
- Perfect combination when used with stainless steel patch fitting
- Stainless Steel Grade 304

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



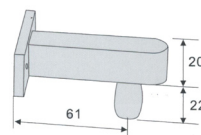
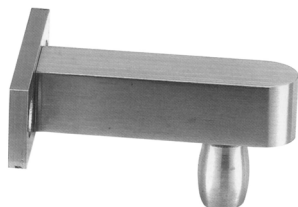
**66.701**

**Side overhead patch pivot**

- With pivot pin of 10mm diameter
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



**66.702**

**Side wall mounted overhead pivot**

- With pivot pin of 10mm diameter
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



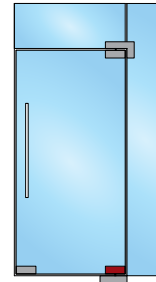
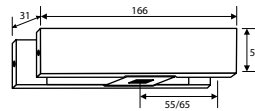
66.2001

### Bottom Patch

- Variable pivot point of 55 or 65mm
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



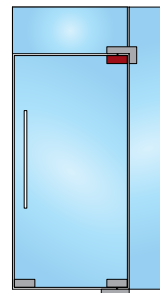
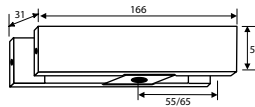
66.2002

### Top Patch

- Variable pivot point of 55 or 65mm
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



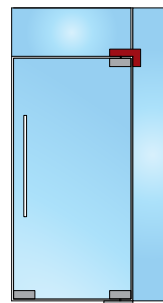
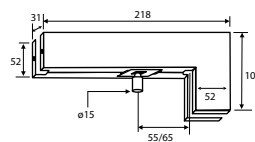
66.2003

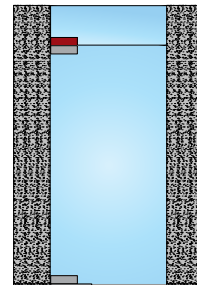
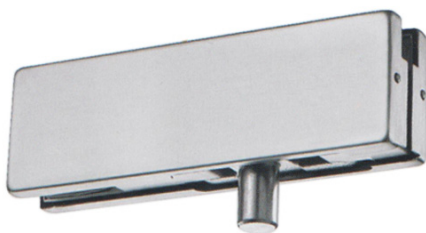
### Over Panel Side Panel Connecting Patch

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key
- Pivot pin of 15mm diameter
- Adjustable pivot point 55/65mm

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel





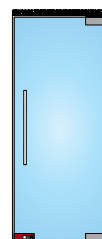
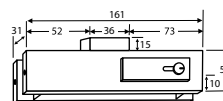
**66.2004**

**Standard transom patch fitting**

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



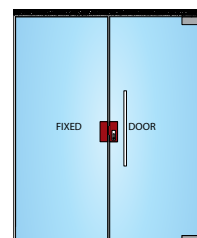
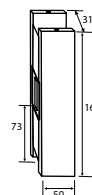
**66.2005**

**Corner Patch Lock with Strike Plate**

- With a euro profile cylinder and strike plate
- Dead bolt projection of 15mm (single throw)
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



**66.2006**

**Strike Box**

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



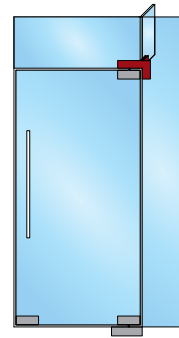
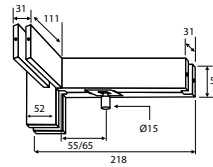
**66.2008L**

### Over Panel Side Panel Connector with Fin Fitting Left

- With pivot pin of 15mm diameter.
- Right handed Fin
- Handing to be determined by looking from outside of the structure
- The pivot point can be altered from 55mm to 65mm
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key
- For door hinged on right side with fin on the inside

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



View from outside with Fin on the inside



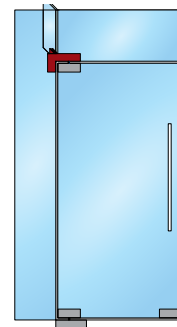
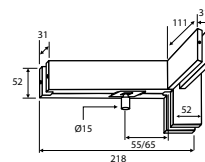
**66.2008R**

### Over Panel Side Panel Connector with Fin Fitting Right

- With pivot pin of 15mm diameter.
- Left handed Fin
- Handing to be determined by looking from outside of the structure
- The pivot point can be altered from 55mm to 65mm
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key
- For door hinged on left side with fin on the inside

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



View from outside with Fin on the inside



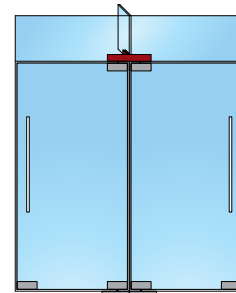
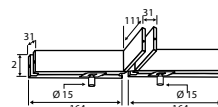
**66.2009**

### Over Panel Connector for Back To Back Doors

- With pivot pins of 15mm diameter.
- Connecting fin with the over panel
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



View from outside with Fin on the inside



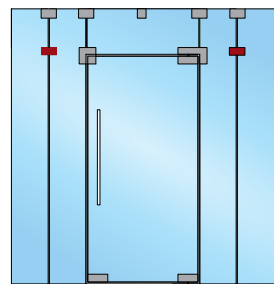
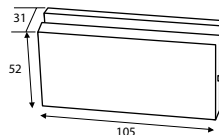
66.2010

### Double Glass Connector

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



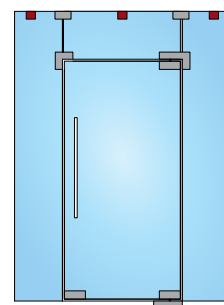
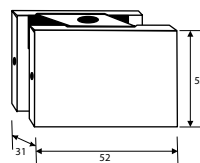
66.2011

### Glass Clamping Connector

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



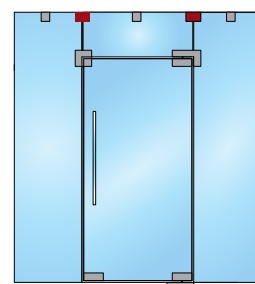
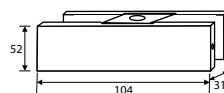
66.2012

### Glass to Glass Connecting Patch

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel





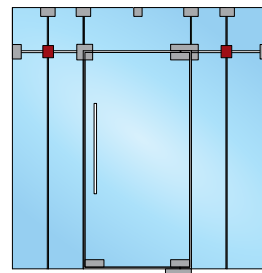
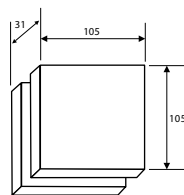
66.2013

### Quadruple Connector

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



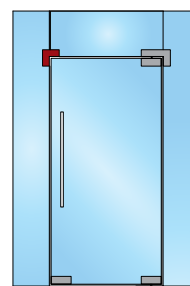
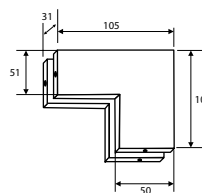
66.2014

### Over Panel Side Panel Connector

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



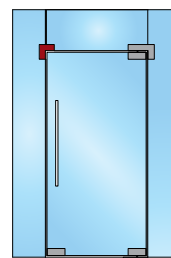
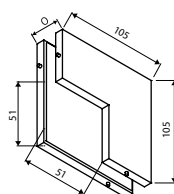
66.2015

### Over Panel & Side Panel Connector for making Door Single Action

- Square look on one side and 'L' shape look on other side
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel







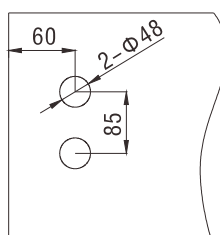
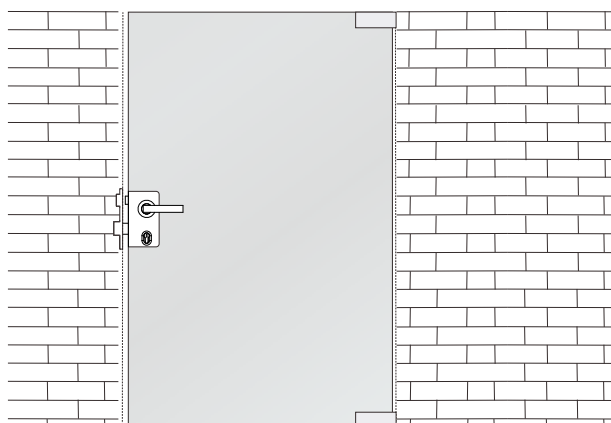
**66.4101**  
Patch strike



**Strike**



**66.4100**  
Swing door lock with lever handle





66.3000

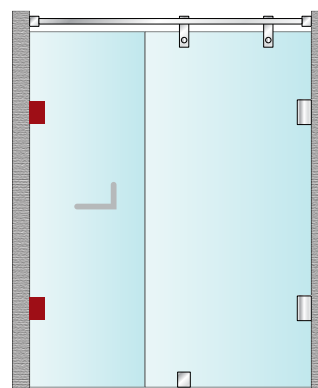
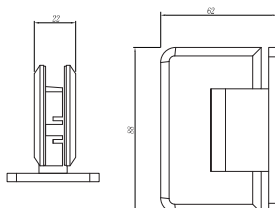
### Wall to glass hinge

• Stainless Steel Grade 304

#### Finishes :

086 : Satin stainless steel

087 : Polish stainless steel



66.3001

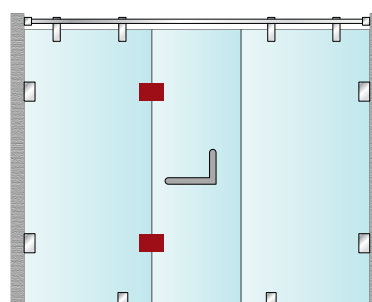
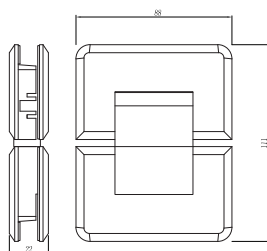
### Glass to glass hinge 180°

• Stainless Steel Grade 304

#### Finishes :

086 : Satin stainless steel

087 : Polish stainless steel



66.3002

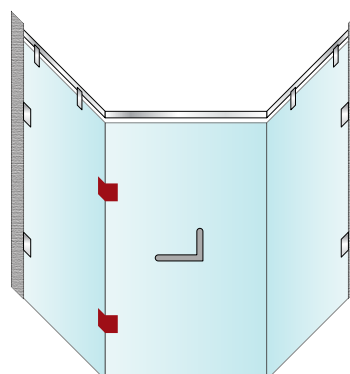
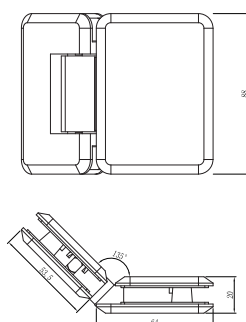
### Glass to glass bracket 135°

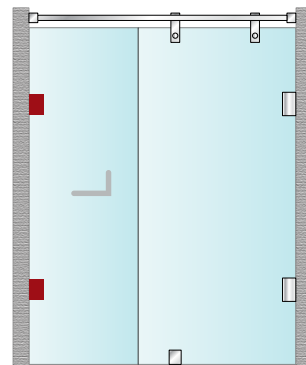
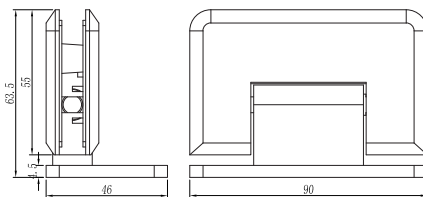
• Stainless Steel Grade 304

#### Finishes :

086 : Satin stainless steel

087 : Polish stainless steel



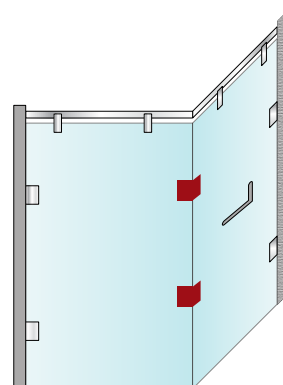
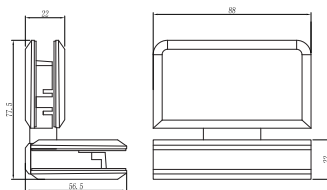


**66.3003**

**Wall to glass hinge offset**  
• Stainless Steel Grade 304

**Finishes :**

086 : Satin stainless steel  
087 : Polish stainless steel

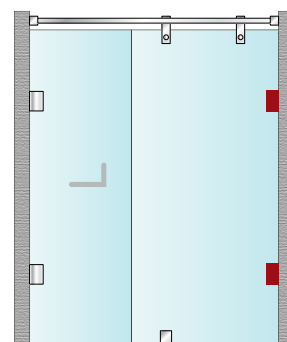
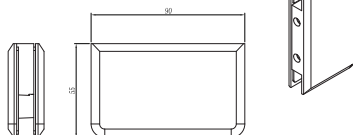


**66.3004**

**Glass to glass hinge 90°**  
• Stainless Steel Grade 304

**Finishes :**

086 : Satin stainless steel  
087 : Polish stainless steel



**66.3005**

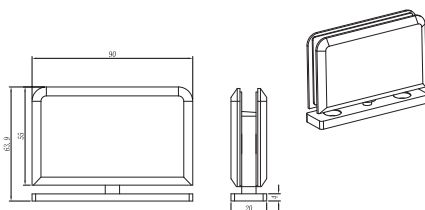
**Wall to glass bracket**  
• Stainless Steel Grade 304

**Finishes :**

086 : Satin stainless steel  
087 : Polish stainless steel

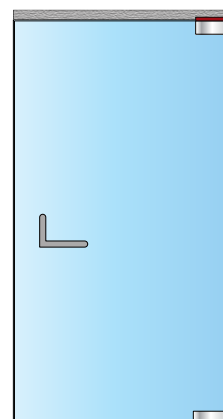


66.3006

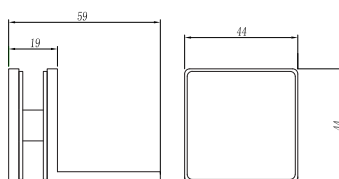


**Pivot hinge**  
• Stainless Steel Grade 304

**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel

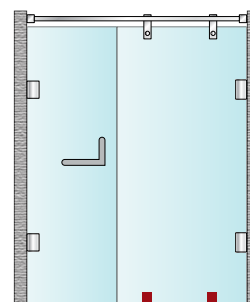


66.1000

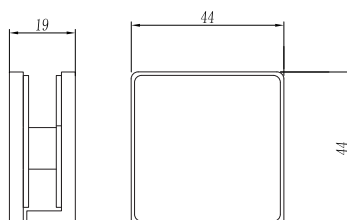


**Wall to glass bracket 90°**  
• Stainless Steel Grade 304

**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel

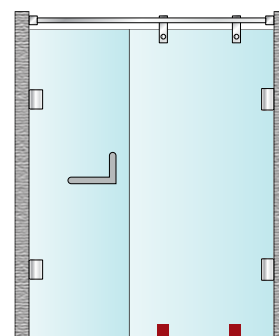


66.1001



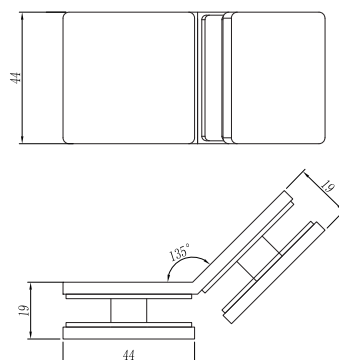
**Bracket for floor mouting**  
• Stainless Steel Grade 304

**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel



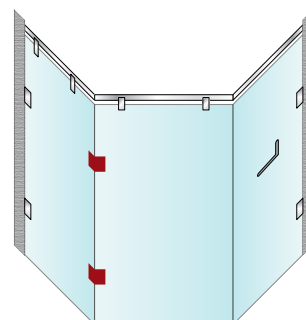


66.1002

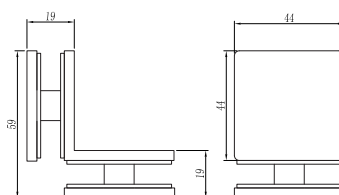


**Glass to glass bracket 135°**  
• Stainless Steel Grade 304

**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel

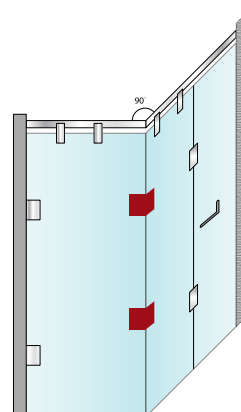


66.1003

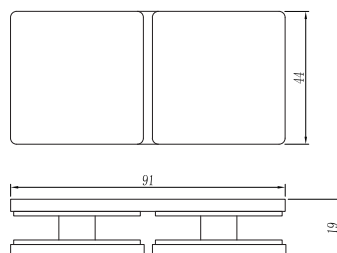


**Glass to glass bracket 90°**  
• Stainless Steel Grade 304

**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel

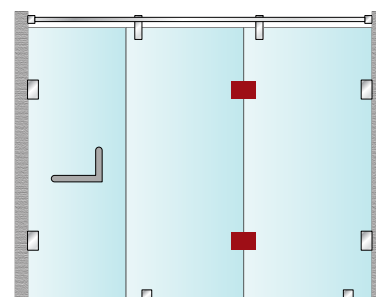


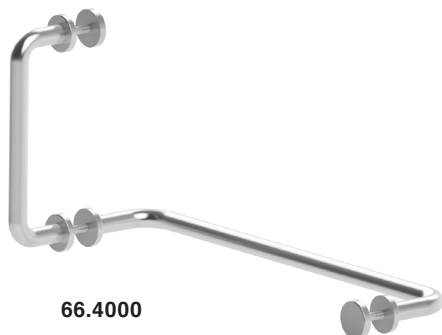
66.1004



**Glass to glass bracket 180°**  
• Stainless Steel Grade 304

**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel





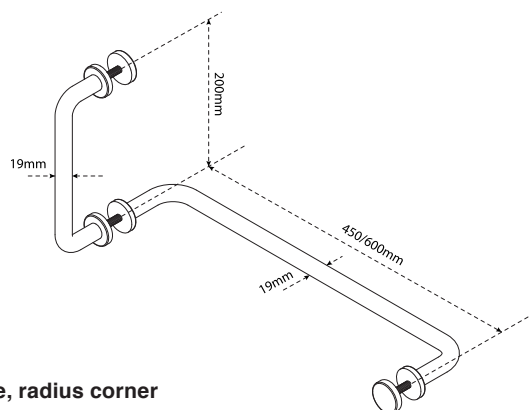
66.4000

### Stainless steel shower glass door handle, radius corner

Size : Vertical Pull Handle: Dia 19 x 200mm  
Horizontal Pull Handle : Dia 19 x 450mm (600 mm also available)  
Stainless Steel Grade 304

#### Finishes :

086 : Satin stainless steel  
087 : Polish stainless steel



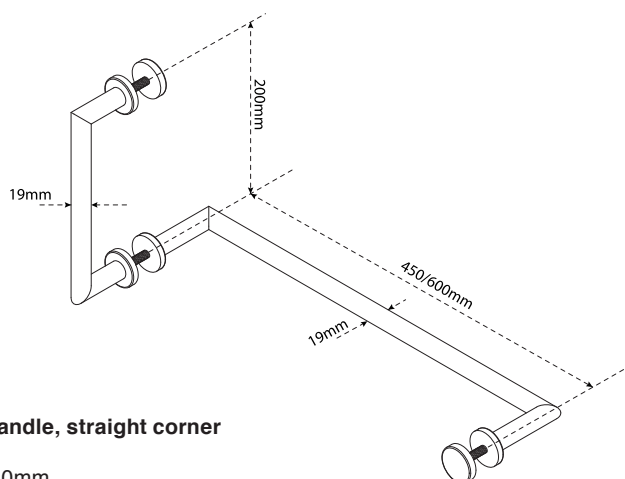
66.4001

### Stainless steel shower glass door handle, straight corner

Size : Vertical Pull Handle: Dia 19 x 200mm  
Horizontal Pull Handle : Dia 19 x 450mm (600 mm also available)  
Stainless Steel Grade 304

#### Finishes :

086 : Satin stainless steel  
087 : Polish stainless steel



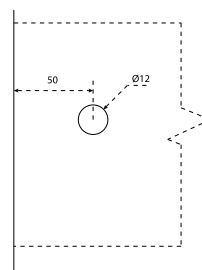
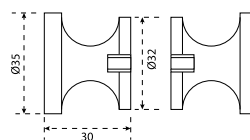
66.4010

### Stainless steel solid knob

Size : Dia 35mm Length 30mm  
Stainless Steel Grade 304

#### Finishes :

086 : Satin stainless steel  
087 : Polish stainless steel



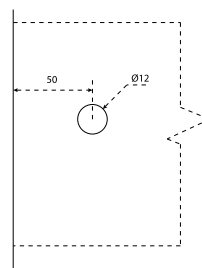
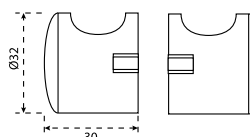
66.4011

### Stainless steel solid knob

Size : Dia 32mm Length 30 mm  
Stainless Steel Grade 304

#### Finishes :

086 : Satin stainless steel  
087 : Polish stainless steel



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98.215	B-1.7	93.225	B-2.6	95.182	C-1.5	89.367	D-1.9
98.216	B-1.7	93.300 - 93.309	B-2.6	91.201	C-1.6	89.298	D-2.0
98.217	B-1.8	93.30A - 93.30Z	B-2.6	91.204	C-1.6	86.250	D-2.0
98.218	B-1.8	94.150	C-1.1	91.202	C-1.6	86.251	D-2.0
98.219	B-1.9	94.151	C-1.1	91.203	C-1.6	86.252	D-2.0
98.220	B-1.9	94.152	C-1.1	92.192	C-1.6	89.338	D-2.1
98.221	B-1.9	94.153	C-1.1	92.193	C-1.6	89.339	D-2.1
98.222	B-1.9	94.154	C-1.1	92.193 S	C-1.6	89.340	D-2.1
98.300	B-2.0	94.155	C-1.1	92.195	C-1.6	89.341	D-2.1
98.301	B-2.0	94.156	C-1.1	92.196	C-1.6	88.750	E-1.1
98.302	B-2.1	94.157	C-1.1	89.355	D-1.2	88.760	E-1.1
98.303	B-2.1	94.180	C-1.1	89.356	D-1.2	88.751	E-1.2
98.304	B-2.2	94.181	C-1.1	89.357	D-1.2	88.761	E-1.2
98.305	B-2.2	94.182	C-1.1	89.359	D-1.2	88.752	E-1.3
98.306	B-2.3	94.170	C-1.1	89.372	D-1.2	88.762	E-1.3
98.307	B-2.3	94.171	C-1.1	89.380	D-1.2	88.753	E-1.4
98.126	B-2.4	94.370	C-1.1	89.381	D-1.2	88.763	E-1.4
98.338	B-2.4	94.190	C-1.2	89.382	D-1.2	88.754	E-1.5
98.339	B-2.4	94.191	C-1.2	89.350	D-1.3	88.803	E-1.6
98.121	B-2.4	94.192	C-1.2	89.351	D-1.3	88.803B	E-1.7
98.122	B-2.4	94.193	C-1.2	89.352	D-1.3	88.803D	E-1.8
98.125	B-2.4	94.158	C-1.2	89.353	D-1.3	88.803F	E-1.8
98.340	B-2.4	94.165	C-1.2	89.342	D-1.3	88.471	E-1.9
98.341	B-2.4	94.166	C-1.2	89.343	D-1.3	88.472	E-1.9
98.342	B-2.4	94.167	C-1.2	89.411	D-1.4	88.417	E-2.0
96.135	B-2.4	98.504	C-1.3	89.412	D-1.4	88.851	E-2.1
96.136	B-2.4	98.501	C-1.3	89.311	D-1.5	88.852	E-2.1
96.137	B-2.4	98.502	C-1.3	89.312	D-1.5	88.853	E-2.1
96.138	B-2.4	98.503	C-1.3	89.308	D-1.5	88.100	E-2.2
96.139	B-2.4	93.204	C-1.3	89.309	D-1.5	88.101	E-2.3
96.140	B-2.4	93.205	C-1.3	89.328	D-1.6	88.102	E-2.4
96.141	B-2.4	88.465	C-1.3	89.329	D-1.6	88.102W	E-2.5
96.142	B-2.4	88.466	C-1.3	89.332	D-1.6	88.103	E-2.6
96.143	B-2.4	88.478	C-1.3	89.333	D-1.6	88.104	E-2.7
96.150	B-2.5	88.477	C-1.3	89.334	D-1.6	88.105	E-2.8
96.151	B-2.5	93.198	C-1.3	89.335	D-1.6	88.106	E-2.9
96.152	B-2.5	93.183	C-1.4	89.336	D-1.6	88.107	E-3.0
96.153	B-2.5	93.208	C-1.4	89.337	D-1.6	88.107D	E-3.1
96.144	B-2.5	93.206	C-1.4	89.324	D-1.7	88.108	E-3.2
96.145	B-2.5	93.185	C-1.4	89.325	D-1.7	88.109R	E-3.3
96.146	B-2.5	93.209	C-1.4	89.500	D-1.7	88.109L	E-3.3
96.147	B-2.5	93.207	C-1.4	89.501	D-1.7	88.110R	E-3.4
96.144C	B-2.5	93.186	C-1.4	89.502	D-1.7	88.110L	E-3.4
96.145C	B-2.5	95.171	C-1.5	89.503	D-1.7	88.418	E-3.5
96.146C	B-2.5	95.174	C-1.5	89.504	D-1.7	88.474	E-3.6



88.500	E-3.7	90.522.05	G-1.5	66.2013	I-1.8
88.501	E-3.7	90.522.07	G-1.5	66.2014	I-1.8
88.502	E-3.7	90.202.04	G-1.6	66.2015	I-1.8
88.503	E-3.7	90.003.04	G-1.6	66.4101	I-1.9
88.504	E-3.7	90.204.04	G-1.7	66.4100	I-1.9
88.505	E-3.7	90.001	G-1.8	66.3000	I-2.0
88.506	E-3.7	90.003	G-1.8	66.3001	I-2.0
88.507A	E-3.7	90.002	G-1.9	66.3002	I-2.0
88.507B	E-3.7	50.1003.128	H-1.0	66.3003	I-2.1
88.507C	E-3.7	50.1003.160	H-1.0	66.3004	I-2.1
88.507D	E-3.7	50.1001.128	H-1.0	66.3005	I-2.1
88.901A	E-3.7	50.1001.160	H-1.0	66.3006	I-2.2
88.901B	E-3.7	50.1002.128	H-1.0	66.1000	I-2.2
86.214	F-1.4	50.1002.160	H-1.0	66.1001	I-2.2
86.217	F-1.5	50.1005.160	H-1.0	66.1002	I-2.3
86.314	F-1.6	50.1005.192	H-1.0	66.1003	I-2.3
86.218	F-1.7	50.1005.224	H-1.0	66.1004	I-2.3
86.221	F-1.8	50.1005.256	H-1.0	66.4000	I-2.4
86.400	F-1.9	50.1005.288	H-1.0	66.4001	I-2.4
86.404	F-2.0	50.1006.96	H-1.0	66.4010	I-2.4
86.600EM	F-2.1	50.1006.128	H-1.0	66.4011	I-2.4
86.601EM	F-2.2	50.1007.128	H-1.0		
86.215	F-2.3	50.1007.160	H-1.0		
86.216	F-2.4	50.1007.192	H-1.0		
86.315	F-2.5	50.1007.224	H-1.0		
86.316	F-2.6	50.2001.15	H-1.0		
86.500	F-2.7	50.2001.18	H-1.0		
86.262	F-2.8	50.2001.25	H-1.0		
86.260	F-2.9	50.2002.25	H-1.0		
86.261	F-3.0	50.2002.30	H-1.0		
86.260HD	F-3.1	66.7001	I-1.0		
86.260HDSO	F-3.1	66.7002	I-1.0		
86.260XHD	F-3.1	66.7003	I-1.0		
86.260HDSA	F-3.1	66.7004	I-1.1		
86.260HDSASO	F-3.1	66.7005	I-1.1		
86.801	F-3.2	66.7007	I-1.1		
66.606	F-3.3	66.7008L	I-1.2		
86.272	F-3.4	66.7008R	I-1.2		
86.275	F-3.4	66.7009	I-1.2		
100.017	F-3.5	66.701	I-1.3		
100.018	F-3.5	66.702	I-1.3		
100.019	F-3.5	66.2001	I-1.4		
100.020	F-3.5	66.2002	I-1.4		
90.502	G-1.2	66.2003	I-1.4		
90.515	G-1.2	66.2004	I-1.5		
90.501	G-1.3	66.2005	I-1.5		
90.520.01	G-1.4	66.2006	I-1.5		
90.520.02	G-1.4	66.2008L	I-1.6		
90.520.03	G-1.4	66.2008R	I-1.6		
90.520.04	G-1.4	66.2009	I-1.6		
90.517	G-1.4	66.2010	I-1.7		
90.522.03	G-1.5	66.2011	I-1.7		
90.522.04	G-1.5	66.2012	I-1.7		

**Devon**



